Board of Public Works

Regular Meeting

Agenda

335 South Broadway
De Pere, WI 54115
https://www.deperewi.gov/

Monday, March 7, 2022 | **7:30 PM** | **Council Chambers and Virtual**

Pursuant to Wisconsin Statutes 19.84, Notice is hereby given to the public that a meeting of the **Board of Public Works** of the City of De Pere will be held on **March 7, 2022** at **7:30 PM** in the **COUNCIL CHAMBERS, 2ND FLOOR CITY HALL, 335 S. BROADWAY STREET. DE PERE.**

The public may attend the meeting either in person in the Council Chambers or electronically/telephonically. Electronic or telephonic access to the meeting is provided below:

Computer/smart phone accessing https://www.gotomeet.me/DePere

OR

You can also dial in using your phone.
United States (Toll Free): 1 866 899 4679
United States: +1 (312) 757-3117
Access Code: 154-883-285

This meeting may also be rebroadcast on Spectrum Cable Channel 4 and AT&T U-verse Channel 99 throughout the week and available on demand at http://deperecitywi.iqm2.com/.

I. Call to Order

1. Roll Call

II. Public comment upon matters not on the agenda. Comments made during the public comment period shall pertain only to matters under the jurisdiction of the Board of Public Works. ?6-3(f) DPMC

III. Items

1. Approval of the Board of Public Works February 7, 2022 Meeting Minutes
2. Consideration and possible action on Preliminary Resolution for Special Assessments for Storm Main and/or Laterals
3. Consideration and possible action on 2021 Draft Annual Report for the Wisconsin Department of Natural Resources MS4 General Permit*
4. Consideration and possible action on streetlight funding*
5. Consideration and possible action on Quotes for 2022 Materials Testing and Soil Borings*
6. Consideration and possible action on Quote for 2022 Box Culvert Inspection*
7. Consideration and possible action on award of Contract 22-03 Sewer Lining*
8. Consideration and possible action on award of Contract 22-06 Concrete Street Repairs*
9. Consideration and possible action on award of Contract 22-13 Crackfilling*
10. Consideration and possible action on award of Contract 22-14 Commerce Drive Utility and Street Extension*

11. Consideration and possible action on award of Contract 22-20 American Boulevard and Commerce Drive Concrete Paving*

IV. Future Agenda Items

V. Adjournment

***Items with an asterisk require City Council approval.**

Any person wishing to attend this meeting who, because of disability, requires special accommodations should contact the Clerk-Treasurer's office at 339-4050 by Noon, Monday, March 7, 2022 so that arrangements can be made.

Agenda Sent To:
MAYOR
ALDERPERSONS
DEPARTMENT HEADS
DEFINITELY DE PERE
VISU-SEWER, INC
RUEKERT & MIELKE
PROFESSIONAL SERVICES INDUSTRIES INC
TODD J BAILEY, ETAL
THOMAS M & JEAN G ROFFERS

JOSEPH WILLIAM LETT III
BRADLEY E & TERRY J PICKARD
JONAH MEYER
MICHAEL J BONK
FRANCINE M ALDRICH
DEPERE TERRACE LLC
SHIRLEY M FISCHER
STEVE D TOMCHEK
MARVIN KONRATH
SCOTT C VANLANEN
MATTHEW MAYER
THEODORE M & LINDA A HUEBBE
CHRISTIAN D PASCH
ROBERT LEE & VIRGINIA A WENDLENDT
DAVID A & MELISSA L MYDLO

GERARD J & NANCY A BARRETTE
ROXANNE J BOHL
DAWN NATZKE
JEFFREY P & ROBIN D SMET
WITKERR FAMILY LP
DHG PROPERTIES LLC
TURRIFF ADAM P & ALLISA M REVOCABLE TRUST
WILLIAM J & KARI M KUCKSDORF
DENISE C BERG
CASEY J & LYDIA L PIVONKA
CHRIS C & JULIE A RENIER

DE PERE CHAMBER OF COMMERCE
TV, NEWSPAPERS & RADIO
KRESS FAMILY LIBRARY
PETERS CONCRETE COMPANY
ASPHALT SEAL & REPAIR, INC
BAY AREA TESTING AND CONSULTING LLC
VINTON CONSTRUCTION COMPANY
RICHARD J & JEANNE M HIBBARD
SCOTT & JESSICA SMITS
CORNELISSEN DAVID J & DIANNA M LIVING TRUST
DAVID A FALTYNSKI
HANNA K SAIZ
NOAH & EMILY DITTER
ALVIN R PAUWELS
MARY KAY RANTA
DANIEL E & LINDA S SAUGSTAD
JAY W DRAVES
ABRAHAM A & BAILEE A PLOEGER
ADAM M & MELISSA E ALBERSON
MARK L & SUE L MILQUET
KYLE E & MEGAN M SCHILL
JOSEPH & MACY L SIUDZINSKI
LE ANNE L HANNON
JAMES J KUBALAK
KOHNEN LARRY B & SANDRA K REVOCABLE LIVING TRUST
CORTNEY D LARSON
BRIAN LACOUNT
PATRICK B HERSON, ETAL
BENJAMIN & MOLLY PINKART
MARY L WENZEL
SOMMERFIELD BEVERLY PEARL REVOCABLE TRUST
KEVIN D MATHENA
JOHN P SORENSON
RICK & WENDY MALLO
TRACY HEATHER HERDMAN

HORVATH WISCONSIN TRUST
DIANE R REW
IZABELA J DITCHENSIMS
MYRNA DICKINSON
BRIAN G ENGLES
LAUREN C WOOTEN
RICHARD W & COURTNEY L STARRY
REVOCABLE TRUST
BRIDGET A VANDELIST
DWAYNE & NANCY RUGGLES JOINT
REVOCABLE TRUST
THOMAS & ALYSSA TOLLEFSON
ANDREW N LEISK
DAVID J POISTER, ETAL
JACOB M HERMES
KATHERINE SCHUSTER
RAMIZ CHAUDHARY
ERIC R WEIDMAN
EDWARD C BYRNE
SEAN M LAPACZ
PHILLIP & STEPHANIE E PROKASH, ETAL
MAXWELL J MCHUGH
DECLEENE PROPERTIES LLC
MARILYN F STASIAK
THOMAS J JANSSEN II
PEOPLES MARINE BANK OF GREEN BAY

PHILIP E SCHROEDER
DENNIS E & KATHERINE A FISCHER
PAUL A & JEAN J LINZMEYER
ALBERT D LUCAS
KYLE R & AMBER G PETERSON
JAMES M & SHANA D LEDVINA

THOMAS G MANTZ, ETAL
PAUL A RADONSKI, ETAL

JOHN A & KRISTINE K ZOVNIC
SCOTT W & WENDY M WOHR
GARY K & KAYNE L COLEMAN
MARY BETH E RADUE
KENT S ROGERS
PETER BRAUER
JENNIFER R WERY
MAHA PROPERTIES LLC
STANHOPE B & LOUELLA ROSARIO
NOAH V WENTLAND
DAVID A & KOTANEE T BURT
MATTHEW A & RUTHANNE C ROHLOFF
COURTNEY R KLEIST
HNM LLC
ERIC J & TAMBRA S FUITEN
FORMULATE INFINITY HOMES LLC

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**March 7, 2022**
DEPARTMENT:	**Board of Public Works**
FROM:	**Betty Sellenheim**
SUBJECT:	**Approval of the Board of Public Works February 7, 2022 Meeting Minutes**

ATTACHMENTS:

- 2022 0207 BOPW_Draft Minutes (PDF)

Board of Public Works

Regular Meeting

335 South Broadway
De Pere, WI 54115
https://www.deperewi.gov/

Draft Minutes

Monday, February 7, 2022 **7:30 PM** **Council Chambers and Virtual**

I. Call to Order

The meeting was called to order at 7:30 PM by Mayor James Boyd

Attendee Name	Title	Status	Arrived
James Boyd	Mayor	Present	
Dan Carpenter	Alderperson	Present	
Jonathon Hansen	Alderperson	Present	
Shana Defnet Ledvina	Alderperson	Present	
Dean Raasch	Alderperson	Present	

Others present:
Scott Thoresen, Public Works Director
Eric Rakers, City Engineer
Betty Sellenheim, Recording Secretary

II. Public comment upon matters not on the agenda. Comments made during the public comment period shall pertain only to matters under the jurisdiction of the Board of Public Works. §6-3(f) DPMC

None

III. Items

1. Approval of the January 10, 2022 Board of Public Works Meeting Minutes

Alderperson Carpenter moved to approve the January 10, 2022 Board of Public Works Meeting Minutes, seconded by Alderperson Raasch. Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Dan Carpenter, Alderperson
SECONDER:	Dean Raasch, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

2. Consideration and possible action on Utility Locating Services Contract*

Scott Thoresen, Public Works Director, explained that the City is responsible for locating all their underground utilities and the previous contract held by Excel Underground for these services which has expired. Mr. Thoresen stated that he solicited proposals from three companies and received responses from Excel Underground and USIC. Mr. Thoresen explained his recommendation to award the contract to Excel Underground, stating their proposal was most favorable to the City and USIC edited City requirements in the proposal documents.

Alderperson Raasch asked what type of edits were made by USIC. Mr. Thoresen stated there were multiple areas including terms of the contract and indemnifications. Mr. Thoresen stated their returned proposal was in the packet and their revisions were in red. Mr. Thoresen further added that changes to indemnification made their proposal unacceptable. Alderperson Carpenter asked how locates are being completed since the

contract expired. Mr. Thoresen explained Excel Underground agreed to extend their services until the new contract was finalized. Alderperson Carpenter outlined the prices per locate request as listed in the packet. Mr. Thoresen agreed with Alderperson Carpenters outline and explanation of the pricing.

Alderperson Raasch moved to approve award of Contract for Utility Locating Services Contract to Excel Underground, seconded by Alderperson Ledvina. Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Dean Raasch, Alderperson
SECONDER:	Shana Defnet Ledvina, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

3. Consideration and possible action on award of Contract 21-09 Matthew Drive Pond Reconstruction*

Eric Rakers, City Engineer, explained the project, project limits, and funding. Mr. Rakers explained the project areas that influenced the cost over estimate including: an alternate bid item of installing a liner and an additional foot of storage depth in the pond design. Alderperson Carpenter asked if staff planned to construct at 5 foot or 6 foot depth. Mr. Rakers stated that staff would leave that up to the Board and mentioned that 5 foot depth would save money on the construction. Alderperson Carpenter weighed the cost differences between saving $15,000 now at the 5 foot depth and saving money in the future by not having to clean the ponds as frequently. Alderperson Carpenter asked how many ponds have needed to be cleaned to date. Mr. Rakers said none but staff is out doing depth inspections and have found that one by Talladega Speedway will be due soon for cleaning. Alderperson Carpenter asked the process for cleaning. Mr. Rakers stated it gets drained down and the sediment is dug out and depending on the composition of the sediment, it either can be used as fill or taken to the landfill if there are contaminates. The cost of the cleaning depends on the composition of the sediment. Mr. Rakers stated the increased depth will save on cleaning but all other ponds in the City are 5 feet deep. Alderperson Raasch asked if the utility needs to save the money for other projects. Scott Thoresen, Public Works Director, indicated that projects that are bid this year to date, have come in under budget and the stormwater utility currently has the funds available. Mr. Thoresen further indicated that increased costs at any point can cause projects later in the year to be cut due to funding. Mr. Rakers stated that other projects requiring large funds from the utility will be bid before this project begins and if there are concerns about funding, the depth can be brought back for discussion at that point.

Alderperson Carpenter moved to approve award of Contract 21-09 to Peters Concrete Construction and pond depth as designed, seconded by Mayor Boyd. Upon approval, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Dan Carpenter, Alderperson
SECONDER:	James Boyd, Mayor
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

4. Consideration and possible action on award of Contract 21-16 Mystic Creek Subdivision Construction*

Eric Rakers, explained the project, project location and limits, and funding. Mr. Rakers explained staff contingencies that would need to be completed before the Notice of Award was issued.
Alderperson Carpenter asked how long the contractor would honor their bid price considering the contingencies in place. Mr. Rakers stated an addendum was issued to the contract with a May 2nd start date, which is currently on schedule. Mr. Rakers further explained if all contingencies get completed before that point, the notice of award would be issued and work could begin earlier. Alderperson Raasch asked if staff has worked with Kruczek Construction Company on projects in the past. Mr. Rakers stated a few of the projects Kruczek Construction Company has been on. Alderperson Carpenter asked for an explanation of the agreement that will be required between City of De Pere and Town of Lawrence regarding the construction of this subdivision. Mr. Rakers explained the agreement will include utilities and street maintenance, including but not limited to: shared stormwater pond maintenance and costs, winter snow removal, street maintenance, sanitary sewer connections and maintenance, and water main connections. Alderperson Hansen asked about the installation of terrace trees as part of the construction. Mr. Rakers stated there were not terrace trees included in the bid of the project and would require future work or discussions with the City Forester. Alderperson Raasch asked if the installation of terrace trees was part of the developer's agreement. Mr. Rakers stated he did not recall seeing it listed on the restrictive covenant for the plat. Scott Thoresen, Public Works Director, explained limitations to installing terrace trees before all homes and utilities are in place. Alderperson Carpenter stated his concerns about forcing the installation of terrace trees.

Alderperson Raasch moved to approve award of Contract 21-16 to Kruczek Construction Company contingent upon the requirements laid out by staff, seconded by Alderperson Hansen. Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Dean Raasch, Alderperson
SECONDER:	Jonathon Hansen, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

5. Consideration and possible action on award of Contract 22-05 Sidewalk and Curb Repair*

Eric Rakers, City Engineer, outlined the project, project limits, and funding.

Alderperson Raasch moved to approve award of Contract 22-05 to Jim Fischer, Inc, seconded by Alderperson Carpenter. Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Dean Raasch, Alderperson
SECONDER:	Dan Carpenter, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

6. Consideration and possible action on award of Contract 22-15 Sewer Televising*

Eric Rakers, City Engineer, outlined the project, project limits, and funding.
Alderperson Raasch asked about whether staff had previously worked with Green Bay Pipe & TV, LLC. Mr. Rakers stated that staff has worked with them and they have been awarded this project for a number of years in a row recently. Alderperson Ledvina

commented on the high bid from National Power Rodding. Mr. Rakers explained his theory on their bid.

Mayor Boyd moved to approve award of Contract 22-15 to Green Bay Pipe & TV, LLC, seconded by Alderperson Ledvina. Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	James Boyd, Mayor
SECONDER:	Shana Defnet Ledvina, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

7. Consideration and possible action on award of Contract 22-19 Mudjacking Request for Proposal*

Eric Rakers, City Engineer, outlined the project, project limits, and funding. Mr. Rakers explained the identical proposals received and reasons for choosing Badger Concrete Lifting.

Alderperson Raasch moved to approve award of Contract 22-19 to Badger Concrete Lifting, seconded by Alderperson Carpenter. Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Dean Raasch, Alderperson
SECONDER:	Dan Carpenter, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

8. Consideration and possible action on award of Contract 22-19A Concrete Grinding Sidewalk-Various Locations Request for Proposal*

Eric Rakers, City Engineer, outlined the project, project limits, and funding. Alderperson Raasch asked what point grinding is not an option and panels need to be replaced. Mr. Rakers stated once the sidewalk panel would be less than 2" thick, it would be replaced. Scott Thoresen, Public Works Director, explained that in order to permanently repair the issue, the sidewalk panel gets replaced and the roots causing the panel to heave are removed.

Mayor Boyd moved to approve award of Contract 22-19A to ESI Ltd, seconded by Alderperson Raasch. Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	James Boyd, Mayor
SECONDER:	Dean Raasch, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

9. Consideration and possible action on the 2022 Sidewalk Special Charge Rates and Payback Period

Eric Rakers, City Engineer, outlined the rates and payback options and past history of the subject at Board of Public Works. Mr. Rakers listed staff's recommendation of approval of the rates and a 5-year payback option for properties with a bill in excess of $1,000 and mentioned that additional properties will come forward in the near future from staff as part of the Order of the Board of Public Works for installation of sidewalks. Alderperson Hansen questioned the timeline for knowing which properties require repairs. Mr. Rakers outlined the process including the need for the frost to be out of the

ground before inspection. Alderperson Carpenter questioned the interest rate. Mr. Rakers explained the interest rate was listed in the 2020 resolution but staff recommends 1% over the most recent borrowing rate at the time of 2022 resolution approval.

Mayor Boyd moved to approve the 2022 sidewalk special charge rates and 5 year payback period with interest at City borrowing rate +1%, seconded by Alderperson Carpenter. Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	James Boyd, Mayor
SECONDER:	Dan Carpenter, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

10. Consideration and possible action on the 2022 Storm Lateral Assessment Charge-Residential Properties

Eric Rakers, City Engineer, explained the annual storm lateral assessment charge for residential properties and how it is calculated.
Alderperson Raasch stated his position of this program being positive and beneficial for the City and residents. Scott Thoresen, Public Works Director, further outlined the institution of the policy. Alderperson Carpenter agreed with Alderperson Raasch's points and added additional points regarding City's ability to control the runoff and meet Wisconsin DNR requirements easier.

Alderperson Raasch moved to approve the 2022 storm lateral assessment charge for residential properties, seconded by Mayor Boyd. Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Dean Raasch, Alderperson
SECONDER:	James Boyd, Mayor
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

11. Consideration and possible action on the 2022 Storm Lateral Assessment Charge-Existing Non-Residential Properties

Eric Rakers, City Engineer, explained the storm lateral assessment charge for non-residential properties and how it is calculated.

Alderperson Hansen moved to approve the 2022 storm lateral assessment charge for existing non-residential properties, seconded by Alderperson Ledvina. Upon vote, the motion passed unanimously.

RESULT:	**ADOPTED [UNANIMOUS]**
MOVER:	Jonathon Hansen, Alderperson
SECONDER:	Dan Carpenter, Alderperson
AYES:	Boyd, Carpenter, Hansen, Defnet Ledvina, Raasch

IV. Future Agenda Items

None

V. Adjournment

Mayor Boyd moved to adjourn the meeting at 8:15 PM, seconded by Alderperson Ledvina. Upon vote, the motion passed unanimously.

Respectfully submitted,
Betty Sellenheim

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**March 7, 2022**
DEPARTMENT:	**Engineering**
FROM:	**Eric Rakers**
SUBJECT:	**Consideration and possible action on Preliminary Resolution for Special Assessments for Storm Main and/or Laterals**

ATTACHMENTS:

- 2022 0307 CI_BOPW_Storm_Lateral_Preliminary_Assessment (PDF)
- BPW Resolution 22-01 (PDF)
- Schedule B C & D Exhibits (PDF)
- S Sixth & S Seventh Assessment Map (PDF)
- E&W St Francis Road Assessment Map (PDF)
- Lewis Street Assessment Map (PDF)
- Alley Assessment Map (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric P. Rakers, P.E., City Engineer
Date: March 7, 2022

RE: **Consideration and Possible Action on Preliminary Resolution for Special Assessments for Storm Sewer Main and/or Laterals**

The purpose for this item is to approve a preliminary resolution for special assessments for storm sewer main and/or storm lateral construction associated with street resurfacing, street reconstruction or alley reconstruction in 2022.

Background

The City is performing the following construction in 2022 that includes the installation of new storm sewer main and/or storm laterals:

- South Sixth Street from Seventh Street to Lande Street (Project 22-01)
- South Seventh Street from Azalea Trail to Westwood Drive (Project 22-01)
- West St Francis Road from Ridgeway Boulevard to East St Francis Road (Project 22-01)
- East St Francis Road from Ridgeway Boulevard to West St Francis Road (Project 22-01)
- Lewis Street from Broadway Street to Ontario Street (Project 22-02)
- Alley from Fifth Street to Fourth Street between Reid Street and Main Avenue (Project 22-04)

Storm sewer lateral installation on Lewis Street and the alley conform to the City Municipal Code Section 26-5-5(b) which states:

> *"(1) Installation. Storm sewer main and lateral installation to each lot of record shall be constructed at the time of street reconstruction in those streets which do not have storm sewer. The location of the lateral installation shall be as determined by the City Engineer or designee."*

The City has had drainage issues in the areas of Sixth Street, Seventh Street, and East and West St Francis Road over the last few years. Because of this, storm sewer laterals are being installed to properties within these blocks. The installation of storm laterals conforms to the City Municipal Code Section 26-5-5(c) which states:

> *"(1) Installation. Storm sewer main and lateral installation to each lot of record shall be constructed at during street resurfacing improvements when:*
> *a. Requested by a property owner along the street to be resurfaced; or*
> *b. When ordered by the Director of Public Works to address drainage issues.*
> *The location of the lateral installation shall be as determined by the City Engineer or designee."*

Assessments for these services were calculated per City Municipal Code Section 13-7. As calculated per Municipal Code Section 13-7 and approved by the Board of Public Works, the costs for the 2022 storm sewer special assessments are as follows:

- Residential Properties
  - Storm Lateral Assessment - $1,877.05
  - Storm Main Assessment - $570.37
- Non-Residential Properties
  - Storm Main Assessment - $11.74
  - 6-inch Storm Lateral Assessment - $2,160.67
  - 8-inch Storm Lateral Assessment - $3,544.14
  - 12-inch Storm Lateral Assessment - $4,371.54

The locations impacted by storm sewer assessments include:

- South Sixth Street from Seventh Street to Lande Street
- South Seventh Street from Azalea Trail to Westwood Drive
- West St Francis Road from Ridgeway Boulevard to East St Francis Road
- East St Francis Road from Ridgeway Boulevard to West St Francis Road
- Lewis Street from Broadway Street to Ontario Street
- Alley from Fifth Street to Fourth Street between Reid Street and Main Avenue

Property owners have been notified several times of this project including:

- January 11, 2022 (22-01) and January 10, 2022 (22-02): Letters sent notifying property owners of storm sewer assessments and public information meeting.
- January 18, 2022 (22-01) and January 19, 2022 (22-02): Public information meeting notifying property owners of storm sewer assessments.
- February 25, 2022 (22-01, 22-02, and 22-04): Letter sent notifying property owners of preliminary assessment amount and invitation to Board of Public Works meetings on March 7, 2022.
- March 4, 2022 (22-01, 22-02, and 22-04): Copy of agenda sent notifying property owners of the Board of Public Works meeting on March 7, 2022.

Code Section 13-7(d)(1)(d) further identifies procedures and pay options for the storm sewer and special assessments as follows:

"d. Public hearing. The board shall hold a public hearing on the assessments and after the hearing may by resolution approve, disapprove, modify or refer the report with such directions as it deems necessary. The board shall provide for the following payment alternatives if it determines to assess for any of the improvements:

i. No interest imputed if payment of assessment made in full within 30 days of invoice;

ii. Payment in such number of yearly installments as deemed reasonable by the board, together with interest thereon at the rate of one percent over the interest rate paid by the city on its latest bonding issue, with payment in full due upon transfer of the property;

iii. Deferred payment of assessment with interest to accrue at the rate of one percent over the interest rate paid by the city on its last bond issue, with the total becoming due on the earliest of the following:

A. Transfer of the benefited property to any other person or entity:

B. Subdivision of the benefited property;

C. Connection to the storm sewer;

D. The expiration of 25 years from the date of adoption of the final assessment resolution, at which time the assessment plus accrued interest shall be made in full against the benefited property.

iv. Interest on alternatives ii. and iii. Above shall stop accruing after a period of ten years."

Note under item ii. the Board of Public Works can establish the number of yearly installments for payback. Also, under iii., property owners are not required to pay until they connect to the storm lateral, sell or subdivide the property, or 25 years, whichever occurs first.

The Board of Public Works can establish a number of yearly installments for payback. In the past, the Board established a 5-year payback period.

Recommendation

Staff recommends that the Board of Public Works adopt the preliminary resolution with a 5-year payback period and schedule a public hearing at the Board of Public Works on April 11, 2022.

Attachments

BPW Resolution 22-01 (PDF)
Schedule B C & D Exhibits (PDF)
S Sixth and S Seventh Street Assessment Map (PDF)
E&W St Francis Road Assessment Map (PDF)
Lewis Street Assessment Map (PDF)
Alley Assessment Map (PDF)

RESOLUTION #22-01

PRELIMINARY RESOLUTION DECLARING INTENTION TO EXERCISE SPECIAL ASSESSMENT POWERS UNDER SECTION 13-7 DE PERE MUNICIPAL CODE and Wis. Stats. §66.0703
STORM SEWER MAIN AND/OR LATERALS ON
SOUTH SIXTH STREET FROM SEVENTH STREET TO LANDE STREET, SOUTH SEVENTH STREET FROM AZALEA TRAIL TO WESTWOOD DRIVE, EAST AND WEST ST. FRANCIS ROAD, LEWIS STREET, AND THE ALLEY BETWEEN FIFTH AND FOURTH STREET AND REID AND MAIN STREET.

BE IT HEREBY RESOLVED, by the Board of Public Works of the City of De Pere, Wisconsin, as follows:

1. That the Board of Public Works hereby declares its intention to exercise its police powers and levy special assessments pursuant to Section 13-7, De Pere Municipal Code and Wis. Stats. §66.0703, for improvements constructed within the area described below and special assessments to be levied on a reasonable basis upon the properties benefited thereby. Said improvements to include storm sewer main and/or laterals. Said improvements shall be constructed and the properties benefiting there from are contained in the following described areas or abutting streets:

STORM SEWER MAIN AND/OR LATERALS

Both Sides of South Sixth Street from Seventh Street to Lande Street
Both Sides of South Seventh Street from Azalea Trail and Westwood Drive
Both Sides of West St. Francis Road from Ridgeway Boulevard to East St. Francis Road
Both Sides of East St. Francis Road from Ridgeway Boulevard to West St. Francis Road
Both Sides of Lewis Street from Broadway Street to Ontario Street
North Side of the Alley from Fifth Street to Fourth Street between Reid Street and Main Avenue

2. The total assessed against such districts shall not exceed the total cost of the improvements. The Board of Public Works determines that such improvements shall be installed and assessed therefore levied under the police power and that the amount assessed against each benefited parcel shall be based on each unit for Storm Sewer and/or Laterals.

3. The assessments against any parcel shall be paid as follows:

(a) No interest imputed if payment of assessment made in full within 30 days of invoice;

(b) Payment shall be in five (5) yearly installments once the assessment is due, together with interest on the unpaid balance thereon at the rate of one percent over the interest rate paid by the city on its latest bonding issue, with payment in full due upon transfer of the property;

(c) Deferred payment of assessment with interest to accrue at the rate of one percent over the interest rate paid by city on its last bond issue, with the total becoming due on the earliest of the following:

i. Transfer of the benefited property to any other person or entity;

ii. Subdivision of the benefited property;

iii. Connection to the storm sewer;

iv. The expiration of 25 years from the date of the adoption of the final assessment resolution, at which time the assessment plus accrued interest shall be made in full against the benefited property.

(d) Interest on alternatives (b) and (c) above shall stop accruing after a period of ten years

4. The Director of Public Works is directed to prepare a report incorporating the recommendation of the Board of Public Works consisting of:

(a) Preliminary plans and specifications for said improvements;

(b) An estimate of the entire cost of the proposed improvements;

(c) A schedule of the proposed assessments;

(d) A statement that the property against which the assessments are proposed is benefited.

After compiling such report, the Director of Public Works is directed to file a copy thereof in the Municipal Service Center office (925 S. Sixth Street) for public inspection by appointment or on the City of De Pere website.

5. Upon receiving the report of the Board of Public Works, the Clerk-Treasurer is directed to give a Class I notice of public hearing on such report as specified in Section 66.60, Wis. Stats. The hearing shall be held in the Common Council Chambers of the City Hall at a time

set by the Clerk-Treasurer in accordance with the aforementioned statutory provision.

Adopted by the Board of Public Works of the City of De Pere, Wisconsin, this _____day of _____, 2022.

APPROVED:

_____
James Boyd, Mayor and Chair of the Board of Public Works

Ayes: ____ Nays: ____

SCHEDULE B

EXISTING DEVELOPMENT RESIDENTIAL

UP TO TWO UNITS PER BUILDING

Schedule B
2022 Storm Sewer Cost Evaluation - Residential
Summary Based on 2019-2021 Asphalt Reconstruction and Resurfacing Projects
City of De Pere
Date: 2/7/2022

Mainline Cost

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
19-01	ST-02	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	342.7	$51.00	$17,477.70	
19-01	ST-03	Remove and Relay 12" PVC, RCP (Class III), or PP Storm Sewer	LF	120.6	$53.00	$6,391.80	
19-18	ST-01	Remove and Replace 12" PVC or RCP (Class III) Storm Sewer	LF	207.0	$78.00	$16,146.00	
20-01A	ST-04	Remove and Relay 12" PVC or RCP Class III Storm Sewer	LF	150.0	$68.00	$10,200.00	
20-01B	ST-05	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	321.0	$100.00	$32,100.00	
20-01B	ST-06	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	190.0	$66.00	$12,540.00	
20-02	ST-04	Provide 12" PVC or RCP Class III Storm Sewer	LF	111.5	$110.00	$12,265.00	
20-06	ST-01	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	60.0	$83.00	$4,980.00	
20-07	ST-02	Remove and Relay 12-inch PVC or RCP (Class III) Storm Sewer	LF	185.5	$72.36	$13,422.78	
20-07	ST-03	Provide 12-inch PVC or RCP (Class III) Storm Sewer	LF	127.0	$72.36	$9,189.72	
21-01	ST-02	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	114.0	$74.00	$8,436.00	
21-02	ST-02	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	130.0	$63.00	$8,190.00	
21-02	ST-04	Provide 12" PVC or RCP Class III Storm Sewer	LF	767.5	$62.00	$47,585.00	
Total				2826.8		$198,924.00	
Average Cost Per Foot						**$70.37**	

Schedule B
2022 Storm Sewer Cost Evaluation - Residential
Summary Based on 2019-2021 Asphalt Reconstruction and Resurfacing Projects
City of De Pere
Date: 2/7/2022

Lateral Cost

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
19-01	ST-05	Provide 6" PVC Storm Sewer Lateral	LF	2,139.3	$44.00	$94,129.20	
20-01A	ST-06	Provide 6" PVC Storm Sewer	LF	616.3	$50.00	$30,815.00	
20-01B	ST-10	Provide 6" PVC Storm Sewer Lateral	LF	2,141.0	$48.00	$102,768.00	
20-01B	ST-11	Remove and Relay 6" PVC Storm Sewer Lateral	LF	11.0	$48.00	$528.00	
20-02	ST-07	Provide 6" PVC Storm Sewer Lateral	LF	84.0	$85.00	$7,140.00	
21-01	ST-04	Provide 6" PVC Storm Sewer Lateral	LF	300.0	$46.00	$13,800.00	
21-02	ST-06	Provide 6" PVC Storm Sewer Lateral	LF	1,340.0	$48.00	$64,320.00	
Total				6631.6		$313,500.20	
Average Cost Per Foot						$47.27	
Average Cost per Lot at 30 Feet of Lateral (100% to Resident)						**$1,418.10**	Average length of lateral is based on a 60 foot right of way and several laterals being connected to inlets.

Storm Wye Cost

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
19-01	ST-07	Provide 8"x6" Storm Branch or Inserta Tee	EA	58	$80.00	$4,640.00	
20-01A	ST-07	Provide 8" x 6" Storm Branch or Inserta Tee	EA	20	$70.00	$1,400.00	
20-01B	ST-13	Provide 30" x 6" Storm Branch or Inserta Tee	EA	5	$250.00	$1,250.00	
20-01B	ST-14	Provide 24" x 6" Storm Branch or Inserta Tee	EA	13	$200.00	$2,600.00	
20-01B	ST-15	Provide 21" x 6" Storm Branch or Inserta Tee	EA	3	$200.00	$600.00	
20-01B	ST-16	Provide 15" x 6" Storm Branch or Inserta Tee	EA	4	$200.00	$800.00	
20-01B	ST-17	Provide 8" x 6" Storm Branch or Inserta Tee	EA	35	$100.00	$3,500.00	
20-02	ST-08	Provide 29" x 45" x 6" Tee or 6" Inserta Tee	EA	1	$200.00	$200.00	
20-02	ST-09	Provide 24" x 38" x 6" Tee or 6" Inserta Tee	EA	2	$200.00	$400.00	
21-01	ST-05	Provide 36" x 6" Storm Branch or Inserta Tee	EA	1	$746.00	$746.00	
21-01	ST-06	Provide 12" x 6" Storm Branch or Inserta Tee	EA	1	$746.00	$746.00	
21-01	ST-07	Provide 8" x 6" Storm Branch or Inserta Tee	EA	8	$180.00	$1,440.00	
21-02	ST-07	Provide 30" x 6" Storm Branch or Inserta Tee	EA	9	$250.00	$2,250.00	
21-02	ST-08	Provide 12" x 6" Storm Branch or Inserta Tee	EA	2	$250.00	$500.00	
21-02	ST-09	Core Drill Storm Sewer and Provide Lateral Connection	EA	25	$250.00	$6,250.00	
Total				187		$27,322.00	
Average Cost Per Wye						**$146.11**	

Schedule B
2022 Storm Sewer Cost Evaluation - Residential
Summary Based on 2019-2021 Asphalt Reconstruction and Resurfacing Projects
City of De Pere
Date: 2/7/2022

Storm Sewer Manhole

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
19-01	ST-08	Provide 4' Diameter Storm Manhole	VF	68.30	$690.00	$47,127.00	
19-01	ST-09	Remove and Replace 4' Diameter Storm Manhole	VF	9.27	$600.00	$5,562.00	
19-18	ST-02	Remove and Replace 4' Diameter Storm Manhole	VF	7.50	$450.00	$3,375.00	
20-01A	ST-12	Provide 4' Diameter Storm Manhole	VF	9.90	$450.00	$4,455.00	
20-01A	ST-13	Remove and Replace 4' Diameter Storm Manhole	VF	3.83	$450.00	$1,723.50	
20-01B	ST-20	Remove and Replace 4' Diameter Storm Manhole	VF	64.86	$415.00	$26,916.90	
20-01B	ST-21	Provide 4' Diameter Storm Manhole	VF	27.44	$415.00	$11,387.60	
20-02	ST-13	Provide 4' Diameter Storm Manhole	VF	4.70	$600.00	$2,820.00	
20-07	ST-04	Remove and Replace 4-foot Diameter Storm Manhole	VF	6.72	$523.62	$3,518.73	
21-01	ST-09	Remove and Replace 4' Diameter Storm Manhole	VF	9.40	$530.00	$4,982.00	
21-01	ST-10	Provide 4' Diameter Storm Manhole	VF	7.69	$546.00	$4,198.74	
21-02	ST-10	Remove and Replace 4' Diameter Storm Manhole	VF	10.35	$450.00	$4,657.50	
21-02	ST-13	Provide 4' Diameter Storm Manhole	VF	36.89	$570.00	$21,027.30	
Total				266.85		$141,751.27	
Cost Per Foot						$531.20	
Cost for a 5 foot Deep Manhole						$2,656.00	
Average Per Foot Cost with a 300 Foot Spacing						**$8.85**	

SCHEDULE B

EXISTING DEVELOPMENT OTHER THAN RESIDENTIAL

UP TO TWO UNITS PER BUILDING

Schedule B
2022 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building
Summary Based on 2019-2021 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 2/7/2022

Mainline Cost

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
19-01	ST-01	Remove and Relay 18" PVC or RCP (Class III) Storm Sewer	LF	25.0	$65.00	$1,625.00	
20-02	ST-03	Provide 18" PVC, RCP Class III, or PP Storm Sewer	LF	38.0	$120.00	$4,560.00	
20-07	ST-01	Remove and Relay 18-inch PVC, RCP (Class III), or PP Storm Sewer	LF	57.0	$81.41	$4,640.37	
21-01	ST-01	Remove and Relay 18" PVC, PP, or RCP (Class III) Storm Sewer	LF	19.0	$81.00	$1,539.00	
Total				139.0		$12,364.37	
Average Cost Per Foot						**$88.95**	

Schedule B
2022 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building
Summary Based on 2019-2021 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 2/7/2022

Storm Sewer Manhole

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
19-01	ST-08	Provide 4' Diameter Storm Manhole	VF	68.30	$690.00	$47,127.00	
19-01	ST-09	Remove and Replace 4' Diameter Storm Manhole	VF	9.27	$600.00	$5,562.00	
19-18	ST-02	Remove and Replace 4' Diameter Storm Manhole	VF	7.50	$450.00	$3,375.00	
20-01A	ST-12	Provide 4' Diameter Storm Manhole	VF	9.90	$450.00	$4,455.00	
20-01A	ST-13	Remove and Replace 4' Diameter Storm Manhole	VF	3.83	$450.00	$1,723.50	
20-01B	ST-20	Remove and Replace 4' Diameter Storm Manhole	VF	64.86	$415.00	$26,916.90	
20-01B	ST-21	Provide 4' Diameter Storm Manhole	VF	27.44	$415.00	$11,387.60	
20-02	ST-13	Provide 4' Diameter Storm Manhole	VF	4.70	$600.00	$2,820.00	
20-07	ST-04	Remove and Replace 4-foot Diameter Storm Manhole	VF	6.72	$523.62	$3,518.73	
21-01	ST-09	Remove and Replace 4' Diameter Storm Manhole	VF	9.40	$530.00	$4,982.00	
21-01	ST-10	Provide 4' Diameter Storm Manhole	VF	7.69	$546.00	$4,198.74	
21-02	ST-10	Remove and Replace 4' Diameter Storm Manhole	VF	10.35	$450.00	$4,657.50	
21-02	ST-13	Provide 4' Diameter Storm Manhole	VF	36.89	$570.00	$21,027.30	
Total				266.85		$141,751.27	
Cost Per Vertical Foot						$531.20	
Cost for a 5 foot Deep Manhole						$2,656.00	
Average Per Foot Cost with a 300 Foot Spacing						**$8.85**	

Schedule B
2022 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building
Summary Based on 2019-2021 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 2/7/2022

Lateral Cost

Lateral 6"

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
19-01	ST-05	Provide 6" PVC Storm Sewer Lateral	LF	2,139.3	$44.00	$94,129.20	
20-01A	ST-06	Provide 6" PVC Storm Sewer	LF	616.3	$50.00	$30,815.00	
20-01B	ST-10	Provide 6" PVC Storm Sewer Lateral	LF	2,141.0	$48.00	$102,768.00	
20-01B	ST-11	Remove and Relay 6" PVC Storm Sewer Lateral	LF	11.0	$48.00	$528.00	
20-02	ST-07	Provide 6" PVC Storm Sewer Lateral	LF	84.0	$85.00	$7,140.00	
21-01	ST-04	Provide 6" PVC Storm Sewer Lateral	LF	300.0	$46.00	$13,800.00	
21-02	ST-06	Provide 6" PVC Storm Sewer Lateral	LF	1,340.0	$48.00	$64,320.00	
Total				6,631.6		$313,500.20	
Average Cost Per Foot						$47.27	
Average Cost per Lot at 35 Feet of Lateral (100% to Owner)						**$1,654.45**	Average length of lateral is based on a 70 foot right of way.

Lateral 8"

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
19-01	ST-04	Provide 8" PVC Storm Sewer	LF	2,455.0	$46.00	$112,930.00	
20-01A	ST-05	Provide 8" PVC Storm Sewer	LF	772.96	$55.00	$42,512.80	
20-01B	ST-08	Provide 8" PVC Storm Sewer	LF	1,757.0	$50.00	$87,850.00	
20-02	ST-05	Provide 8" PVC Storm Sewer	LF	47.0	$135.00	$6,345.00	
20-02	ST-06	Provide 8" PVC Storm Sewer Lateral	LF	68.0	$105.00	$7,140.00	
21-01	ST-03	Provide 8" PVC Storm Sewer	LF	413.0	$50.00	$20,650.00	
21-02	ST-05	Provide 8" PVC Storm Sewer	LF	260.5	$58.00	$15,109.00	
Total				5,773.5		$292,536.80	
Average Cost Per Foot						$50.67	
Average Cost per Lot at 35 Feet of Lateral (100% to Owner)						**$1,773.45**	Average length of lateral is based on a 70 foot right of way.

Schedule B

2022 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building

Summary Based on 2019-2021 Asphalt Reconstruction and Resurfacing Projects.

City of De Pere

Date: 2/7/2022

Lateral Cost

Lateral 12"

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
19-01	ST-02	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	342.7	$51.00	$17,477.70	
19-01	ST-03	Remove and Relay 12" PVC, RCP (Class III), or PP Storm Sewer	LF	120.6	$53.00	$6,391.80	
19-18	ST-01	Remove and Replace 12" PVC or RCP (Class III) Storm Sewer	LF	207.0	$78.00	$16,146.00	
20-01A	ST-04	Remove and Relay 12" PVC or RCP Class III Storm Sewer	LF	150.0	$68.00	$10,200.00	
20-01B	ST-05	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	321.0	$100.00	$32,100.00	
20-01B	ST-06	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	190.0	$66.00	$12,540.00	
20-02	ST-04	Provide 12" PVC or RCP Class III Storm Sewer	LF	111.5	$110.00	$12,265.00	
20-06	ST-01	Provide 12" PVC or RCP (Class III) Storm Sewer	LF	60.0	$83.00	$4,980.00	
20-07	ST-02	Remove and Relay 12-inch PVC or RCP (Class III) Storm Sewer	LF	185.5	$72.36	$13,422.78	
20-07	ST-03	Provide 12-inch PVC or RCP (Class III) Storm Sewer	LF	127.0	$72.36	$9,189.72	
21-01	ST-02	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	114.0	$74.00	$8,436.00	
21-02	ST-02	Remove and Relay 12" PVC or RCP (Class III) Storm Sewer	LF	130.0	$63.00	$8,190.00	
21-02	ST-04	Provide 12" PVC or RCP Class III Storm Sewer	LF	767.5	$62.00	$47,585.00	
Total				2,826.8		$198,924.00	
Average Cost Per Foot						$70.37	
Average Cost per Lot at 35 Feet of Lateral (100% to Owner)						**$2,462.95**	Average length of lateral is based on a 70 foot right of way.

Schedule B
2022 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building
Summary Based on 2019-2021 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 2/7/2022

Connection Cost

Storm Wye Cost (6")

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
19-01	ST-07	Provide 8"x6" Storm Branch or Inserta Tee	EA	58	$80.00	$4,640.00	
20-01A	ST-07	Provide 8" x 6" Storm Branch or Inserta Tee	EA	20	$70.00	$1,400.00	
20-01B	ST-13	Provide 30" x 6" Storm Branch or Inserta Tee	EA	5	$250.00	$1,250.00	
20-01B	ST-14	Provide 24" x 6" Storm Branch or Inserta Tee	EA	13	$200.00	$2,600.00	
20-01B	ST-15	Provide 21" x 6" Storm Branch or Inserta Tee	EA	3	$200.00	$600.00	
20-01B	ST-16	Provide 15" x 6" Storm Branch or Inserta Tee	EA	4	$200.00	$800.00	
20-01B	ST-17	Provide 8" x 6" Storm Branch or Inserta Tee	EA	35	$100.00	$3,500.00	
20-02	ST-08	Provide 29" x 45" x 6" Tee or 6" Inserta Tee	EA	1	$200.00	$200.00	
20-02	ST-09	Provide 24" x 38" x 6" Tee or 6" Inserta Tee	EA	2	$200.00	$400.00	
21-01	ST-05	Provide 36" x 6" Storm Branch or Inserta Tee	EA	1	$746.00	$746.00	
21-01	ST-06	Provide 12" x 6" Storm Branch Inserta Tee	EA	1	$746.00	$746.00	
21-01	ST-07	Provide 8" x 6" Storm Branch or Inserta Tee	EA	8	$180.00	$1,440.00	
21-02	ST-07	Provide 30" x 6" Storm Branch or Inserta Tee	EA	9	$250.00	$2,250.00	
21-02	ST-08	Provide 12" x 6" Storm Branch Inserta Tee	EA	2	$250.00	$500.00	
21-02	ST-09	Core Drill Storm Sewer and Provide Lateral Connection	EA	25	$250.00	$6,250.00	
Total				187		$27,322.00	
Average Cost Per Wye						**$146.11**	

Core Storm Tee Cost (8" & 12")

Project	Bid Item	Bid Item Description	Unit	Quantity	Cost	Total	Comment
20-06	ST-03	Core Drill Existing Main with NPC Kor-N-Tee	EA	1	$1,860.00	$1,860.00	
21-02	ST-20	Core Drill Storm Manhole (12" Opening)	EA	1	$500.00	$500.00	
Total				2		$2,360.00	
Average Cost Per Connection/Core						**$1,180.00**	

SCHEDULE C

EXISTING DEVELOPMENT RESIDENTIAL

UP TO TWO UNITS PER BUILDING

Schedule C
2022 Storm Sewer Cost Evaluation - Residential
Summary Based on 2019-2021 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 2/7/2022

Storm Mainline Cost

Item Description	Cost Per LF	Comment
12" Storm Sewer Main	$70.37	
4' Diameter Storm Manhole	$8.85	300 foot spacing with a 5' depth
Mainline Cost Per Street Foot	$79.22	
Cost Per Side of Street	$39.61	
Cost Per Lot	$2,376.60	60 foot wide lot
Assessable Amount (20%)	$475.32	Remaining 80% funded by Storm Water Utility
Engineering and Administration (20%)	$95.06	
Total Mainline Costs	**$570.38**	

Storm Lateral Cost

Item Description	Cost Per EA	Comment
6" Storm Lateral	$1,418.10	30 foot average length. Some laterals will be connected to inlets.
Storm Wye Cost	$146.11	
Assessable Amount (100%)	$1,564.21	
Engineering and Administration (20%)	$312.84	
Total Lateral Costs	**$1,877.05**	

Total Cost

Mainline	$570.38
Storm Lateral	$1,877.05
Total Cost	**$2,447.43**

SCHEDULE C

EXISTING DEVELOPMENT OTHER THAN RESIDENTIAL

UP TO TWO UNITS PER BUILDING

Schedule C
2022 Storm Sewer Cost Evaluation - Existing Development Other Than Residential up to Two Units per Building
Summary Based on 2019-2021 Asphalt Reconstruction and Resurfacing Projects.
City of De Pere
Date: 2/7/2022

Storm Mainline Cost

Item Description	Cost Per LF	Comment
18" Storm Sewer Main	$88.95	
4' Diameter Storm Manhole	$8.85	300 foot spacing with a 5' depth
Mainline Cost Per Street Foot	$97.80	
Cost Per Side of Street	$48.90	
Assessable Amount (20%)	$9.78	Remaining 80% funded by Storm Water Utility
Engineering and Administration (20%)	$1.96	
Total Mainline Cost Per Front Lot Foot	**$11.74**	

Storm Lateral Cost

Item Description	Cost Per EA	Comment
6" Storm Lateral	$1,654.45	35 foot average length.
Storm Wye Cost	$146.11	
Assessable Amount (100%)	$1,800.56	
Engineering and Administration (20%)	$360.11	
Total Lateral Costs	**$2,160.67**	

Storm Lateral Cost

Item Description	Cost Per EA	Comment
8" Storm Lateral	$1,773.45	35 foot average length.
Storm Wye Cost (Core)	$1,180.00	Average of cost to core pipe
Assessable Amount (100%)	$2,953.45	
Engineering and Administration (20%)	$590.69	
Total Lateral Costs	**$3,544.14**	

Storm Lateral Cost

Item Description	Cost Per EA	Comment
12" Storm Lateral	$2,462.95	35 foot average length.
Storm Wye Cost (Core)	$1,180.00	Average of cost to core pipe
Assessable Amount (100%)	$3,642.95	
Engineering and Administration (20%)	$728.59	
Total Lateral Costs	**$4,371.54**	

SCHEDULE D

SCHEDULE D - SCHEDULE OF PRELIMINARY ASSESSMENTS
PRELIMINARY ASSESSMENTS
TYPE OF IMPROVEMENT: STORM SEWER MAIN AND LATERALS
LOCATIONS - S. SIXTH ST, S. SEVENTH ST, E. ST FRANCIS DR, W. ST FRANCIS DR

RESIDENTIAL ASSESSMENT

COST PER UNIT - STORM MAIN:	**$570.37**
COST PER UNIT - STORM LATERAL:	**$1,877.05**

PROPERTY OWNER	LOT NO. PROPERTY ADDRESS PARCEL NUMBER	STORM MAIN ASSESSMENT UNIT	STORM MAIN ASSESSMENT COST	STORM LATERAL ASSESSMENT UNIT	STORM LATERAL ASSESSMENT COST	TOTAL ASSESSMENT	COMMENT
Project 22-01 Sewer and Water Relay and Street Resurfacing							
Todd J Bailey, Etal 1007 S. Sixth Street De Pere, WI 54115	1007 S. Sixth St WD-147	0	$0.00	1	$1,877.05	$1,877.05	
Thomas M & Jean G Roffers 1010 S. Sixth St De Pere, WI 54115	1010 S. Sixth St WD-135-2	0	$0.00	0	$0.00	$0.00	
Joseph William Lett III 1011 S. Sixth St De Pere, WI 54115	1011 S. Sixth st WD-147-2	0	$0.00	1	$1,877.05	$1,877.05	
Bradley E & Terry J Pickard 1016 S. Sixth St De Pere, WI 54115	1016 S. Sixth St WD-135-1	0	$0.00	1	$1,877.05	$1,877.05	
Jonah Meyer 1019 S. Sixth St De Pere, WI 54115	1019 S. Sixth St WD-148-1	0	$0.00	0	$0.00	$0.00	
Michael J Bonk 1024 S. Sixth St De Pere, WI 54115	1024 S. Sixth St WD-136	0	$0.00	1	$1,877.05	$1,877.05	
Francine M Aldrich 1025 S. Sixth St De Pere, WI 54115	1025 S. Sixth St WD-148-2	0	$0.00	1	$1,877.05	$1,877.05	
De Pere Terrace LLC 2020 Trissino Way Green Bay, WI 54313	1030-1034 S. Sixth St WD-136-5	0	$0.00	0	$0.00	$0.00	
Shirley M Fischer 1031 S. Sixth St De Pere, WI 54115	1031 S. Sixth St WD-148-3	0	$0.00	0	$0.00	$0.00	
Steve D Tomchek 1040 S. Sixth St De Pere, WI 54115	1040 S. Sixth St WD-126	1	$570.37	1	$1,877.05	$2,447.42	
Marvin Konrath 1041 S. Sixth St De Pere, WI 54115	1041 S. Sixth St WD-148	0	$0.00	1	$1,877.05	$1,877.05	
Scott C VanLanen 1102 S. Sixth St De Pere, WI 54115	1102 S. Sixth St WD-185-5	1	$570.37	1	$1,877.05	$2,447.42	
Matthew Mayer 1103 S. Sixth St De Pere, WI 54115	1103 S. Sixth St WD-185-1	0	$0.00	1	$1,877.05	$1,877.05	
Theodore M & Linda A Huebbe 1108 S. Sixth St De Pere, WI 54115	1108 S. Sixth St WD-185	1	$570.37	1	$1,877.05	$2,447.42	
Christian D Pasch 1109 S. Sixth St De Pere, WI 54115	1109 S. Sixth St WD-185-2	0	$0.00	1	$1,877.05	$1,877.05	
Robert Lee & Virginia A Wendlendt 1115 S. Sixth St De Pere, WI 54115	1115 S. Sixth St WD-185-3	0	$0.00	1	$1,877.05	$1,877.05	
David & Melissa Mydlo 1120 S. Sixth St De Pere, WI 54115	1120 S. Sixth St WD-185-4	1	$570.37	1	$1,877.05	$2,447.42	

SCHEDULE D - SCHEDULE OF PRELIMINARY ASSESSMENTS

PRELIMINARY ASSESSMENTS

TYPE OF IMPROVEMENT: STORM SEWER MAIN AND LATERALS

LOCATIONS - S. SIXTH ST, S. SEVENTH ST, E. ST FRANCIS DR, W. ST FRANCIS DR

RESIDENTIAL ASSESSMENT

COST PER UNIT - STORM MAIN:	**$570.37**
COST PER UNIT - STORM LATERAL:	**$1,877.05**

PROPERTY OWNER	LOT NO. PROPERTY ADDRESS PARCEL NUMBER	STORM MAIN ASSESSMENT UNIT	STORM MAIN ASSESSMENT COST	STORM LATERAL ASSESSMENT UNIT	STORM LATERAL ASSESSMENT COST	TOTAL ASSESSMENT	COMMENT
Gerard J & Nancy A Barrette 1121 S. Sixth St De Pere, WI 54115	1121 S. Sixth St WD-185-8	0	$0.00	1	$1,877.05	$1,877.05	
Roxanne J Bohl 1205 S. Sixth St De Pere, WI 54115	1205 S. Sixth St WD-185-10	1	$570.37	1	$1,877.05	$2,447.42	
Dawn Natzke 1208 S. Sixth St De Pere, WI 54115	1208 S. Sixth St WD-185-7	1	$570.37	1	$1,877.05	$2,447.42	
Jeffrey P & Robin D Smet 722 S. Monroe Ave Green Bay, WI 54302	1211 S. Sixth St WD-185-6	1	$570.37	1	$1,877.05	$2,447.42	
Witkerr Family LP PO Box 95 Coleman, WI 54112	1220-1222 S. Sixth St WD-185-19	1	$570.37	1	$1,877.05	$2,447.42	
DHG Properties LLC 2426 Morning Star Trl Green Bay, WI 54302	1221-1223 S. Sixth St WD-185-14	1	$570.37	1	$1,877.05	$2,447.42	
Turriff Adam P & Alissa M Revocable Trust 1536 Silver Maple Dr De Pere, WI 54115	1241-1243 S. Sixth St WD-185-13	1	$570.37	1	$1,877.05	$2,447.42	
William J & Kari M Kucksdorf 2200 Rachel Dr Green Bay, WI 54311	1250 S. Sixth St-1231 S. Seventh St WD-185-17	1	$570.37	1	$1,877.05	$2,447.42	
Richard J & Jeanne M Hibbard 1205 S. Seventh St De Pere, WI 54115	1205 S. Seventh St WD-185-11	0	$0.00	1	$1,877.05	$1,877.05	
Scott & Jessica Smits 1215 S. Seventh St De Pere, WI 54115	1215 S. Seventh St WD-185-20	1	$570.37	1	$1,877.05	$2,447.42	
Cornelissen David J & Dianna M Living Trust 1224 S. Seventh St De Pere, WI 54115	1224 S. Seventh St WD-792-G-97	1	$570.37	1	$1,877.05	$2,447.42	
David A Faltynski 1225 S. Seventh St De Pere, WI 54115	1225 S. Seventh St WD-185-15	1	$570.37	1	$1,877.05	$2,447.42	
Hanna K Saiz 1230 S. Seventh St De Pere, WI 54115	1230 S. Seventh St WD-792-G-96	1	$570.37	1	$1,877.05	$2,447.42	
Noah & Emily Ditter 1241 S. Seventh St De Pere, WI 54115	1241 S. Seventh St WD-185-18	1	$570.37	1	$1,877.05	$2,447.42	
Alvin R Pauwels 1250 S. Seventh St De Pere, WI 54115	1250 S. Seventh St WD-792-G-95	1	$570.37	1	$1,877.05	$2,447.42	
Mary Kay Ranta 1251 S. Seventh St De Pere, WI 54115	1251 S. Seventh St WD-185-16	1	$570.37	1	$1,877.05	$2,447.42	
Daniel E & Linda S Saugstad 1254 S. Seventh St De Pere, WI 54115	1254 S. Seventh St WD-792-G-94	1	$570.37	1	$1,877.05	$2,447.42	

SCHEDULE D - SCHEDULE OF PRELIMINARY ASSESSMENTS

PRELIMINARY ASSESSMENTS

TYPE OF IMPROVEMENT: STORM SEWER MAIN AND LATERALS

LOCATIONS - S. SIXTH ST, S. SEVENTH ST, E. ST FRANCIS DR, W. ST FRANCIS DR

RESIDENTIAL ASSESSMENT

COST PER UNIT - STORM MAIN:	**$570.37**
COST PER UNIT - STORM LATERAL:	**$1,877.05**

PROPERTY OWNER	LOT NO. PROPERTY ADDRESS PARCEL NUMBER	STORM MAIN ASSESSMENT UNIT	STORM MAIN ASSESSMENT COST	STORM LATERAL ASSESSMENT UNIT	STORM LATERAL ASSESSMENT COST	TOTAL ASSESSMENT	COMMENT
Jay W Draves 1260 S. Seventh St De Pere, WI 54115	1260 S. Seventh St WD-792-G-93	1	$570.37	1	$1,877.05	$2,447.42	
Abraham A & Bailee A Ploeger 1261 S. Seventh St De Pere, WI 54115	1261 S. Seventh St WD-185-12	1	$570.37	1	$1,877.05	$2,447.42	
Adam M & Melissa E Alberson 1270 S. Seventh St De Pere, WI 54115	1270 S. Seventh St WD-792-G-92	0	$0.00	0	$0.00	$0.00	
Mark L & Sue L Milquet 1271 S. Seventh St De Pere, WI 54115	1271 S. Seventh St WD-792-G-107	0	$0.00	1	$1,877.05	$1,877.05	
Kyle E & Megan M Schill 1278 S. Seventh St De Pere, WI 54115	1278 S. Seventh St WD-792-G-91	0	$0.00	0	$0.00	$0.00	
Joseph & Macy L Siudzinski 1281 S. Seventh St De Pere, WI 54115	1281 S. Seventh St WD-792-G-108	0	$0.00	1	$1,877.05	$1,877.05	
Le Anne L Hannon 1286 S. Seventh St De Pere, WI 54115	1286 S. Seventh St WD-792-G-89	0	$0.00	1	$1,877.05	$1,877.05	
James J Kubalak 1330 Cardinal Ln Green Bay, WI 54313	1289 S. Seventh St WD-792-G-110	0	$0.00	1	$1,877.05	$1,877.05	
Kohnen Larry B & Sandra K Revocable Living T 1292 S. Seventh St De Pere, WI 54115	1292 S. Seventh St WD-792-G-88	0	$0.00	1	$1,877.05	$1,877.05	
Cortney D Larson 1295 S. Seventh St De Pere, WI 54115	1295 S. Seventh St WD-792-G-111	0	$0.00	1	$1,877.05	$1,877.05	
Brian LaCount 1301 S. Seventh St De Pere, WI 54115	1301 S. Seventh St WD-792-G-113	0	$0.00	0	$0.00	$0.00	
Patrick B Herson, Etal 1788 Hubbard Ave Saint Paul, MN 55104	800 E. St Francis Rd ED-124-N-20	0	$0.00	1	$1,877.05	$1,877.05	
Benjamin & Molly Pinkart 805 E. St Francis Rd De Pere, WI 54115	805 E. St Francis Rd ED-124-N-36	0	$0.00	1	$1,877.05	$1,877.05	
Mary L Wenzel 814 E. St Francis Rd De Pere, WI 54115	814 E. St Francis Rd ED-124-N-19	0	$0.00	1	$1,877.05	$1,877.05	
Sommerfield Beverly Pearl Revocable Trust 815 E. St Francis Rd De Pere, WI 54115	815 E. St Francis Rd ED-124-N-35	1	$570.37	1	$1,877.05	$2,447.42	
Kevin D Mathena 822 E. St Francis Rd De Pere, WI 54115	822 E. St Francis Rd ED-124-N-18	0	$0.00	1	$1,877.05	$1,877.05	
Denise C Berg 823 E. St Francis Rd De Pere, WI 54115	823 E. St Francis Rd ED-124-N-34	1	$570.37	1	$1,877.05	$2,447.42	

SCHEDULE D - SCHEDULE OF PRELIMINARY ASSESSMENTS

PRELIMINARY ASSESSMENTS

TYPE OF IMPROVEMENT: STORM SEWER MAIN AND LATERALS

LOCATIONS - S. SIXTH ST, S. SEVENTH ST, E. ST FRANCIS DR, W. ST FRANCIS DR

RESIDENTIAL ASSESSMENT

COST PER UNIT - STORM MAIN:	**$570.37**
COST PER UNIT - STORM LATERAL:	**$1,877.05**

PROPERTY OWNER	LOT NO. PROPERTY ADDRESS PARCEL NUMBER	STORM MAIN ASSESSMENT UNIT	STORM MAIN ASSESSMENT COST	STORM LATERAL ASSESSMENT UNIT	STORM LATERAL ASSESSMENT COST	TOTAL ASSESSMENT	COMMENT
Casey J & Lydia L Pivonka 832 E. St Francis Rd De Pere, WI 54115	832 E. St Francis Rd ED-124-N-17	1	$570.37	1	$1,877.05	$2,447.42	
Chris C & Julie A Renier 833 E. St Francis Rd De Pere, WI 54115	833 E. St Francis Rd ED-124-N-33	1	$570.37	1	$1,877.05	$2,447.42	
Horvath Wisconsin Trust 842 E. St Francis Rd De Pere, WI 54115	842 E. St Francis Rd ED-124-N-16	1	$570.37	1	$1,877.05	$2,447.42	
Diane R Rew 843 E. St Francis Rd De Pere, WI 54115	843 E. St Francis Rd ED-124-N-32	1	$570.37	1	$1,877.05	$2,447.42	
Izabela J Ditchensims 848 E. St Francis Rd De Pere, WI 54115	848 E. St Francis Rd ED-124-N-15	1	$570.37	1	$1,877.05	$2,447.42	
Myrna Dickinson 849 E. St Francis Rd De Pere, WI 54115	849 E. St Francis Rd ED-124-N-31	1	$570.37	1	$1,877.05	$2,447.42	
. Brian G Engles 857 E. St Francis Rd De Pere, WI 54115	857 E. St Francis Rd ED-124-N-30	1	$570.37	1	$1,877.05	$2,447.42	
Lauren C Wooten 858 E. St Francis Rd De Pere, WI 54115	858 E. St Francis Rd ED-124-N-14	1	$570.37	1	$1,877.05	$2,447.42	
Richard W & Courtney L Starry Revocable Trust 863 E. St Francis Rd De Pere, WI 54115	863 E. St Francis Rd ED-124-N-29	1	$570.37	1	$1,877.05	$2,447.42	
Bridget A Vandelist 868 E. St Francis Rd De Pere, WI 54115	868 E. St Francis Rd ED-124-N-12	1	$570.37	1	$1,877.05	$2,447.42	
Dwayne & Nancy Ruggles Joint Revocable Trust 802 W. St Francis Rd De Pere, WI 54115	802 W. St Francis Rd ED-124-N-21	0	$0.00	1	$1,877.05	$1,877.05	
Thomas & Alyssa Tollefson 803 W. St Francis Rd De Pere, WI 54115	803 W. St Francis Rd ED-124-N-1	0	$0.00	0	$0.00	$0.00	
John P Sorenson 812 W. St Francis Rd De Pere, WI 54115	812 W. St Francis Rd ED-124-N-22	1	$570.37	1	$1,877.05	$2,447.42	
Rick & Wendy Mallo 813 W. St Francis Rd De Pere, WI 54115	813 W. St Francis Rd ED-124-N-2	1	$570.37	1	$1,877.05	$2,447.42	
Tracy Heather Herdman 820 W. St Francis Rd De Pere, WI 54115	820 W. St Francis Rd ED-124-N-23	1	$570.37	1	$1,877.05	$2,447.42	
Philip E Schroeder 821 W. St Francis Rd De Pere, WI 54115	821 W. St Francis Rd ED-124-N-3	1	$570.37	1	$1,877.05	$2,447.42	
Dennis E & Katherine A Fischer 830 W. St Francis Rd De Pere, WI 54115	830 W. St Francis Rd ED-124-N-24	1	$570.37	1	$1,877.05	$2,447.42	

SCHEDULE D - SCHEDULE OF PRELIMINARY ASSESSMENTS

PRELIMINARY ASSESSMENTS

TYPE OF IMPROVEMENT: STORM SEWER MAIN AND LATERALS

LOCATIONS - S. SIXTH ST, S. SEVENTH ST, E. ST FRANCIS DR, W. ST FRANCIS DR

RESIDENTIAL ASSESSMENT

COST PER UNIT - STORM MAIN:	**$570.37**
COST PER UNIT - STORM LATERAL:	**$1,877.05**

PROPERTY OWNER	LOT NO. PROPERTY ADDRESS PARCEL NUMBER	STORM MAIN ASSESSMENT UNIT	STORM MAIN ASSESSMENT COST	STORM LATERAL ASSESSMENT UNIT	STORM LATERAL ASSESSMENT COST	TOTAL ASSESSMENT	COMMENT
Paul A & Jean J Linzmeyer 831 W. St Francis Rd De Pere, WI 54115	831 W. St Francis Rd ED-124-N-4	1	$570.37	1	$1,877.05	$2,447.42	
Albert D Lucas 840 W. St Francis Rd De Pere, WI 54115	840 W. St Francis Rd ED-124-N-25	1	$570.37	1	$1,877.05	$2,447.42	
Kyle R & Amber G Peterson 841 W. St Francis Rd De Pere, WI 54115	841 W. St Francis Rd ED-124-N-5	1	$570.37	1	$1,877.05	$2,447.42	
James M & Shana D Ledvina 846 W. St Francis Rd De Pere, WI 54115	846 W. St Francis Rd ED-124-N-26	0	$0.00	1	$1,877.05	$1,877.05	
Thomas G Mantz, Etal 847 W. St Francis Rd De Pere, WI 54115	847 W. St Francis Rd ED-124-N-6	0	$0.00	1	$1,877.05	$1,877.05	
Paul A Radonski, Etal 854 W. St Francis Rd De Pere, WI 54115	854 W. St Francis Rd ED-124-N-27	0	$0.00	1	$1,877.05	$1,877.05	
John A & Kristine K Zovnic 855 W. St Francis Rd De Pere, WI 54115	855 W. St Francis Rd ED-124-N-7	0	$0.00	1	$1,877.05	$1,877.05	
Scott W & Wendy M Wohr 860 W. St Francis Rd De Pere, WI 54115	860 W. St Francis Rd ED-124-N-28	0	$0.00	0	$0.00	$0.00	
Andrew N Leisk 861 W. St Francis Rd De Pere, WI 54115	861 W. St Francis Rd ED-124-N-8	0	$0.00	1	$1,877.05	$1,877.05	
David J Poister, Etal 867 W. St Francis Rd De Pere, WI 54115	867 W. St Francis Rd ED-124-N-9	0	$0.00	1	$1,877.05	$1,877.05	
Gary K & Kayne L Coleman 873 W. St Francis Rd De Pere, WI 54115	873 W. St Francis Rd ED-124-N-10	0	$0.00	1	$1,877.05	$1,877.05	
Mary Beth Radue 879 W. St Francis Rd De Pere, WI 54115	879 W. St Francis Rd ED-124-N-11	1	$570.37	1	$1,877.05	$2,447.42	
		21	$11,977.77	38	$71,327.90	$83,305.67	

SCHEDULE D - SCHEDULE OF PRELIMINARY ASSESSMENTS
PRELIMINARY ASSESSMENTS
TYPE OF IMPROVEMENT: STORM SEWER MAIN AND LATERALS
LOCATIONS - LEWIS STREET

RESIDENTIAL ASSESSMENT

COST PER UNIT - STORM MAIN:	**$570.37**
COST PER UNIT - STORM LATERAL:	**$1,877.05**

PROPERTY OWNER	LOT NO. PROPERTY ADDRESS PARCEL NUMBER	STORM MAIN ASSESSMENT UNIT	STORM MAIN ASSESSMENT COST	STORM LATERAL ASSESSMENT UNIT	STORM LATERAL ASSESSMENT COST	TOTAL ASSESSMENT	COMMENT
Project 22-02 Lewis Street Reconstruction							
JACOB M HERMES 719 LEWIS STREET DE PERE, WI 54115	719 LEWIS STREET ED-1019	0	$0.00	0	$0.00	$0.00	
JACOB HERMES 719 LEWIS STREET DE PERE, WI 54115	715 LEWIS STREET ED-1019-1	0	$0.00	1	$1,877.05	$1,877.05	
KATHERINE SCHUSTER 703 LEWIS STREET DE PERE, WI 54115	703 LEWIS STREET ED-1020	0	$0.00	1	$1,877.05	$1,877.05	
RAMIZ CHAUDHARY 722 LEWIS STREET DE PERE, WI 54115	722 LEWIS STREET ED-1026	0	$0.00	0	$0.00	$0.00	
ERIC R WEIDMAN 706 LEWIS STREET DE PERE, WI 54115	706 LEWIS STREET ED-1030	0	$0.00	1	$1,877.05	$1,877.05	
EDWARD C BYRNE 303 S HURON ST DE PERE, WI 54115	303 S HURON ST ED-1037	0	$0.00	0	$0.00	$0.00	
SEAN M LAPACZ 229 S HURON ST DE PERE, WI 54115	803 LEWIS STREET ED-1043	0	$0.00	0	$0.00	$0.00	
PHILLIP & STEPHANIE E PROKASH, ETAL 675 SCHOOLHOUSE RD SOBIESKI, WI 54171	502 LEWIS STREET ED-175	0	$0.00	1	$1,877.05	$1,877.05	
MAXWELL J MCHUGH 518 LEWIS STREET DE PERE, WI 54115	518 LEWIS STREET ED-932	1	$570.37	1	$1,877.05	$2,447.42	
DECLEENE PROPERTIES LLC 101 FORT HOWARD AVE DE PERE, WI 54115	514 LEWIS STREET ED-932-1	1	$570.37	1	$1,877.05	$2,447.42	
MARILYN F STASIAK 620 LEWIS STREET DE PERE, WI 54115	620 LEWIS STREET ED-933	1	$570.37	1	$1,877.05	$2,447.42	
THOMAS J JANSSEN II 302 S SUPERIOR ST DE PERE, WI 54115	302 S SUPERIOR ST ED-933-1	0	$0.00	1	$1,877.05	$1,877.05	
KENT ROGERS 610 LEWIS STREET DE PERE, WI 54115	610 LEWIS STREET ED-935	1	$570.37	1	$1,877.05	$2,447.42	
PETER BRAUER 600 LEWIS STREET DE PERE, WI 54115	600 LEWIS STREET ED-936	1	$570.37	1	$1,877.05	$2,447.42	
JENNIFER R WERY 615 LEWIS STREET DE PERE, WI 54115	615 LEWIS STREET ED-941	1	$570.37	1	$1,877.05	$2,447.42	

SCHEDULE D - SCHEDULE OF PRELIMINARY ASSESSMENTS

PRELIMINARY ASSESSMENTS

TYPE OF IMPROVEMENT: STORM SEWER MAIN AND LATERALS

LOCATIONS - LEWIS STREET

RESIDENTIAL ASSESSMENT

COST PER UNIT - STORM MAIN:	**$570.37**
COST PER UNIT - STORM LATERAL:	**$1,877.05**

PROPERTY OWNER	LOT NO. PROPERTY ADDRESS PARCEL NUMBER	STORM MAIN ASSESSMENT UNIT	STORM MAIN ASSESSMENT COST	STORM LATERAL ASSESSMENT UNIT	STORM LATERAL ASSESSMENT COST	TOTAL ASSESSMENT	COMMENT
MAHA PROPERTIES LLC 4343 CHATEM PLACE GREEN BAY, WI 54313	621 LEWIS STREET ED-942	0	$0.00	1	$1,877.05	$1,877.05	
STANHOPE B & LOUELLA ROSARIO 233 S MICHIGAN ST DE PERE, WI 54115	233 S MICHIGAN ST ED-943	0	$0.00	1	$1,877.05	$1,877.05	
NOAH V WENTLAND 306 S ERIE STREET DE PERE, WI 54115	306 S ERIE STREET ED-1031	0	$0.00	1	$1,877.05	$1,877.05	
DAVID A & KOTANEE T BURT 303 S ERIE STREET DE PERE, WI 54115	303 S ERIE STREET ED-1128	0	$0.00	1	$1,877.05	$1,877.05	
MATTHEW A & RUTHANNE C ROHLOFF 920 LEWIS STREET DE PERE, WI 54115	920 LEWIS STREET ED-1118	0	$0.00	1	$1,877.05	$1,877.05	
COURTNEY R KLEIST 232 S ONTARIO STREET DE PERE, WI 54115	232 S ONTARIO ST ED-1111	0	$0.00	1	$1,877.05	$1,877.05	
HNM LLC 704 S WEBSTER AVE STE 402 GREEN BAY, WI 54301	233 S ERIE STREET ED-1112	0	$0.00	1	$1,877.05	$1,877.05	
ERIC J & TAMBRA S FUITEN N 154 W8083 ELM LN MENOMONEE FALLS, WI 53051	230 S ERIE STREET ED-1042	0	$0.00	1	$1,877.05	$1,877.05	
		6	$3,422.22	19	$35,663.95	$39,086.17	

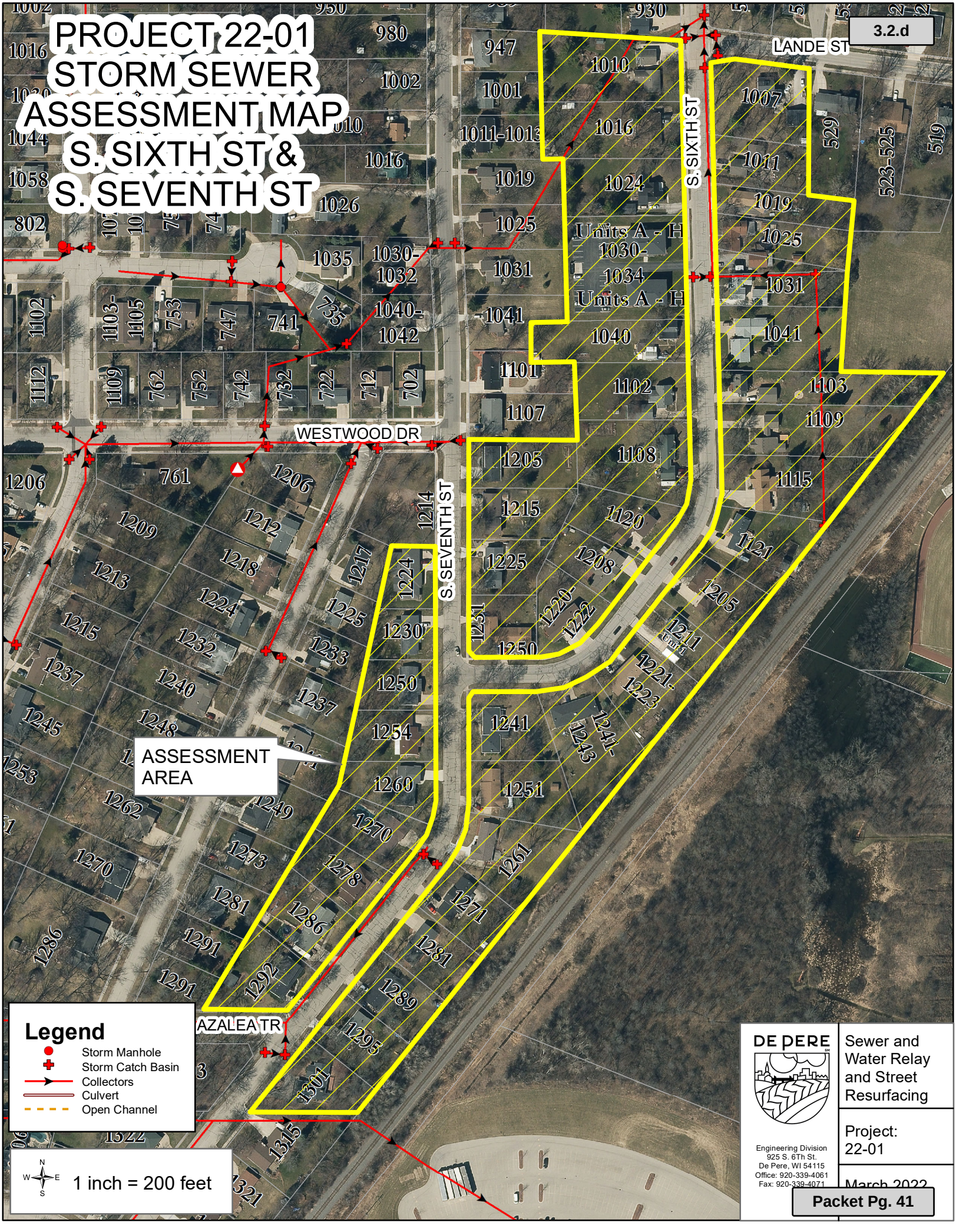
SCHEDULE D - SCHEDULE OF PRELIMINARY ASSESSMENTS
PRELIMINARY ASSESSMENTS
TYPE OF IMPROVEMENT: STORM SEWER MAIN AND LATERALS
LOCATIONS - MAIN/REID ALLEY

NON-RESIDENTIAL ASSESSMENT

COST PER FRONT LOT FOOT - STORM MAIN:	**$11.74**
COST PER UNIT - STORM LATERAL 8":	**$3,544.14**
COST PER UNIT - STORM LATERAL 12":	**$4,371.54**

PROPERTY OWNER	LOT NO. PROPERTY ADDRESS PARCEL NUMBER	STORM MAIN ASSESSMENT UNIT	STORM MAIN ASSESSMENT COST	STORM LATERAL ASSESSMENT UNIT	STORM LATERAL ASSESSMENT COST	TOTAL ASSESSMENT	COMMENT
Project 22-04 Alley Reconstruction							
PEOPLES MARINE BANK OF GREEN BAY PO BOX 35605 DALLAS, TX 75235	441 MAIN AVENUE WD-288 AND WD-890-1	0	$0.00	1	$4,371.54	$4,371.54	
FORMULATE INFINITY HOMES LLC 3171 MILL RD GREENLEAF, WI 54126	413 MAIN AVENUE WD-887	44.23	$519.26	1	$3,544.14	$4,063.40	
		44.23	$519.26	2	$7,915.68	$8,434.94	

PROJECT 22-01 STORM SEWER ASSESSMENT MAP S. SIXTH ST & S. SEVENTH ST



DE PERE

Engineering Division
925 S. 6Th St.
De Pere, WI 54115
Office: 920-339-4061
Fax: 920-339-4071

Sewer and Water Relay and Street Resurfacing

Project: 22-01

March 2022

PROJECT 22-01 STORM SEWER ASSESSMENT MAP E. ST FRANCIS RD & W. ST FRANCIS RD

Legend

- Storm Manhole
- Storm Catch Basin
- Collectors
- Culvert
- Open Channel

N W E S

1 inch = 200 feet

DE PERE

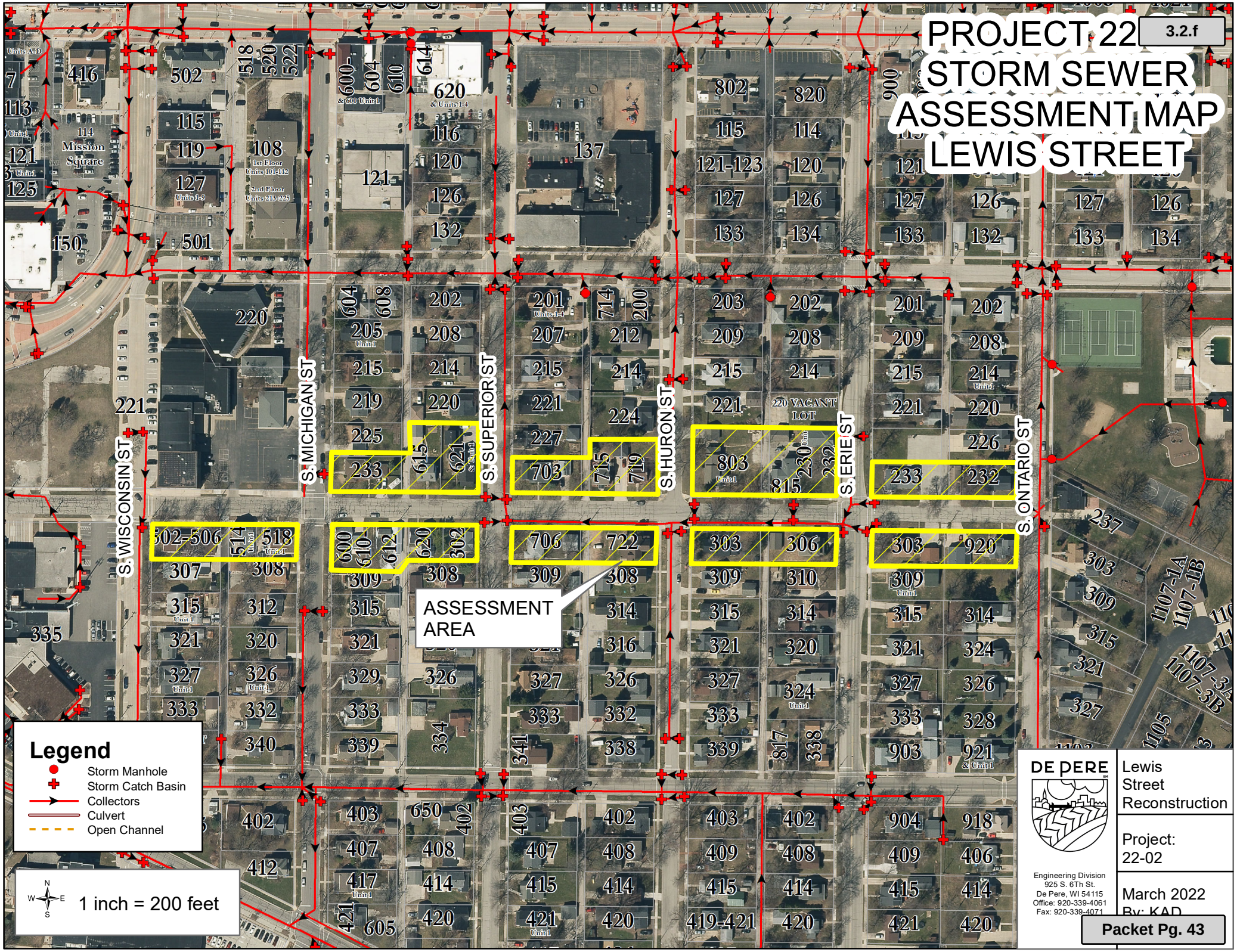
Engineering Division
925 S. 6Th St.
De Pere, WI 54115
Office: 920-339-4061
Fax: 920-339-4071

Sewer and Water Relay and Street Resurfacing

Project: 22-01

March 2022

PROJECT 22
STORM SEWER ASSESSMENT MAP
LEWIS STREET



DE PERE

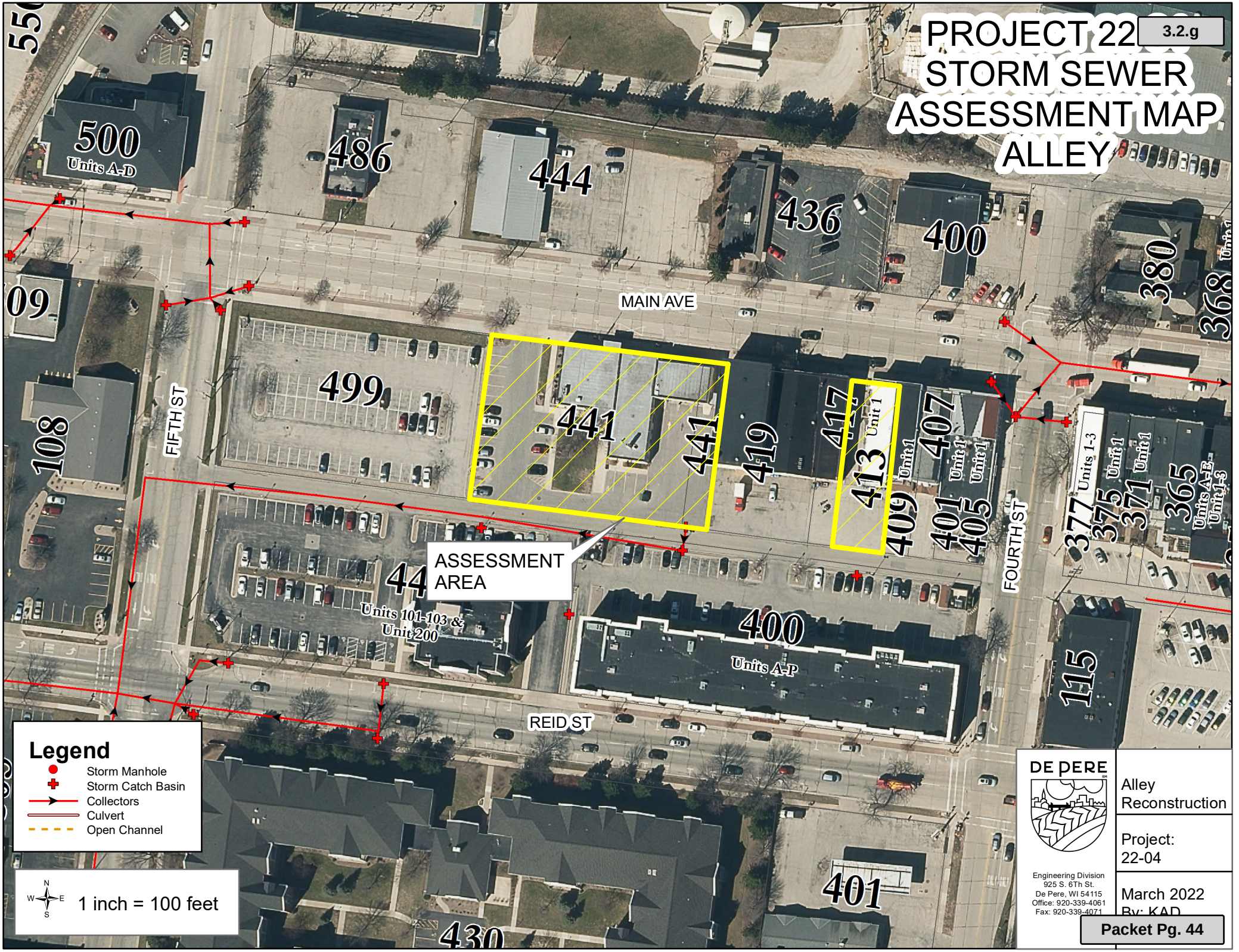
Engineering Division
925 S. 6Th St.
De Pere, WI 54115
Office: 920-339-4061
Fax: 920-339-4071

Lewis Street Reconstruction

Project: 22-02

March 2022
By: KAD

PROJECT 22
STORM SEWER ASSESSMENT MAP
ALLEY



DE PERE

Engineering Division
925 S. 6Th St.
De Pere, WI 54115
Office: 920-339-4061
Fax: 920-339-4071

Alley Reconstruction

Project: 22-04

March 2022
By: KAD

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**March 7, 2022**
DEPARTMENT:	**Engineering**
FROM:	**Eric Rakers**
SUBJECT:	**Consideration and possible action on 2021 Draft Annual Report for the Wisconsin Department of Natural Resources MS4 General Permit***

ATTACHMENTS:

- 2022 0307 CI_BOPW-WDNR MS4 Annual Permit (PDF)
- 1-WDNR MS4 Annaul Report (PDF)
- 2-MS4 Activity Summary (PDF)
- 3-Storm Water Facility Maintenance Checklists (PDF)
- 4-Storm Water Facility Inventory (PDF)
- 5-2021 Map Update Summary (PDF)
- 6-2021 Basin Map Changes (PDF)
- 7-2021 MS4 TMDL Maps (PDF)
- 8-2021 Outfall Update (PDF)
- 9-2021 Major and Minor Outfall ID Maps (PDF)
- 10-2021 Ashwaubenon Creek Basin Changes (PDF)
- 11-2021 East River Basin Changes (PDF)
- 12-2021 Fox River Basin Changes (PDF)
- 13-2021 NEWSC Annual Report (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric P. Rakers, P.E., City Engineer
Date: March 7, 2022

RE: **Consider Draft 2021 Annual Report for the Wisconsin Department of Natural Resources MS4 General Permit***

The City has been issued a Wisconsin Pollutant Discharge Elimination System Number WE-S050075-03 permit to discharge storm water from the Wisconsin Department of Natural Resources (WDNR). The City is required to complete an annual report as part of the permit. There are five different components to the permit that the City is responsible to complete during the permit five year cycle. These items include:

- Public Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Pollutant Control
- Post-Construction Storm Water Management
- Pollution Prevention

The Engineering Department has drafted the draft Annual Report under MS4 General Permit for the 2021 calendar year and it is attached for your review. The Report identifies activities that the City has completed in 2021 to meet our MS4 General Permit for storm water discharge. Highlights from the 2021 Report include:

- Membership in the Northeast Wisconsin Stormwater Consortium (NEWSC) which helps the City meet the requirements for Public Outreach and Education and Public Involvement and Participation.
- Installed storm sewer and/or laterals on Erie Street from George Street to Ridgeway Boulevard and Winnebago Street from Fulton Street to Ridgeway Boulevard to address drainage issues.
- Continued extensive swale cleaning and brush clearing that started in 2020
- Updated swale maintenance mapping and inspections.
- Cleaned and televised 68,200 linear feet of storm sewer.
- Spring and fall leaf collection.
- Spring and fall brush collection.
- Street sweeping.
- Inspected all public and private storm water management ponds in the City.
- Developed a phragmites management plan.

Staff recommends the Board of Public Works approve the Annual Report and Written Storm Water Management Program for submittal to the WDNR.

Submittal of Annual Reports and Other Compliance Documents for Municipal Separate Storm Sewer System (MS4) Permits

NOTE: Missing or incomplete fields are highlighted at the bottom of each page. You may save, close and return to your draft permit as often as necessary to complete your application. After 120 days your draft is **deleted.**

Form 3400-224(R8/2021)

Reporting Information :

Will you be completing the Annual Report or other submittal type? (•) **Annual Report** ( ) **Other**

Project Name:	2021 Annual Report
County:	Brown
Municipality:	De Pere City
Permit Number:	S050075
Facility Number:	31088
Reporting Year:	2021

Is this submittal also satisfying an Urban Nonpoint Source Grant funded deliverable? ( ) **Yes** (•) **No**

Required Attachments and Supplemental Information

Please complete the contents of each tab to submit your MS4 permit compliance document. The information included in this checklist is necessary for a complete submittal. A complete and detailed submittal will help us review about your MS4 permit document. To help us make a decision in the shortest amount of time possible, the following information must be submitted:

Annual Report

- Review related web site and instructions for Municipal storm water permit eReporting [Exit Form]
- Complete all required fields on the annual report form and upload required attachments
- Attach the following other supporting documents as appropriate using the attachments tab above
  - Public Education and Outreach Annual Report Summary
  - Public Involvement and Participation Annual Report Summary
  - Illicit Discharge Detection and Elimination Annual Report Summary
  - Construction Site Pollution Control Annual Report Summary
  - Post-Construction Storm Water Management Annual Report Summary
  - Pollution Prevention Annual Report Summary
    - Leaf and Yard Waste Management
    - Municipal Facility (BMP) Inspection Report
    - Municipal Property SWPPP
    - Municipally Property Inspection Report
    - Winter Road Maintenance
  - Storm Sewer Map Annual Report Attachment
  - Storm Water Quality Management Annual Report Attachment
  - TMDL Attachment
  - Storm Water Consortium/Group Report

- Municipal Cooperation Attachment
- Other Annual Report Attachment

- Attach the following permit compliance documents as appropriate using the attachments tab above

  - Storm Water Management Program
    - Public Education and Outreach Program
    - Public Involvement and Participation Program
    - Illicit Discharge Detection and Elimination Program
    - Construction Site Pollutant Control Program
    - Post-Construction Storm Water Management Program
    - Pollution Prevention Program
      - Municipal Storm Water Management Facility (BMP) Inventory
      - Municipal Storm Water Management Facility (BMP) Inspection and Maintenance Plan
  - Total Maximum Daily Load documents *(*If applicable, see permit for due dates.)*
    - TMDL Mapping*
    - TMDL Modeling*
    - TMDL Implementation Plan*
    - Fecal Coliform Screening Parameter *
    - Fecal Coliform Inventory and Map *(S050075-03 general permittees Appendix B B.5.2 – document due to the department by March 31, 2022)*
    - Fecal Coliform Source Elimination Plan *(S050075-03 general permittees Appendix B - document due to the department by October 31,2023)*

- Sign and Submit form

Do not close your work until you SAVE.

Form 3400-224 (R8/2021)

Municipal Contact Information- Complete

Notice: Pursuant to s. NR 216.07(8), Wis. Adm. Code, an owner or operator of a Municipal Separate Storm Sewer System (MS4) is required to submit an annual report to the Department of Natural Resources (Department) by March 31 of each year to report on activities for the previous calendar year ("reporting year"). This form is being provided by the Department for the user's convenience for reporting on activities undertaken in each reporting year of the permit term. Personal information collected will be used for administrative purposes and may be provided to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].
Note: Compliance items must be submitted using the Attachments tab.

Municipality Information

Name of Municipality	De Pere City
Facility ID # or (FIN):	31088
Updated Information:	☐ Check to update mailing address information
Mailing Address:	925 S. Sixth Street
Mailing Address 2:	
City:	De Pere
State:	Wisconsin
Zip Code:	54115 xxxxx or xxxxx-xxxx

Primary Municipal Contact Person (Authorized Representative for MS4 Permit)

The "Authorized Representative" or "Authorized Municipal Contact" includes the municipal official that was charged with compliance and oversight of the permit conditions, and has signature authority for submitting permit documents to the Department (i.e., Mayor, Municipal Administrator, Director of Public Works, City Engineer).

☐ Select to ***create new*** primary contact

First Name:	Eric
Last Name:	Rakers

☑ Select to ***update*** current contact information

Title:	City Engineer
Mailing Address:	925 S. Sixth St
Mailing Address 2:	
City:	De Pere
State:	WI
Zip Code:	54115 xxxxx or xxxxx-xxxx
Phone Number:	920-339-8304 Ext: xxx-xxx-xxxx
Email:	erakers@deperewi.gov

Additional Contacts Information (Optional)

☐ I&E Program

Individual with responsibility for: (Check all that apply)	☐ IDDE Program ☐ IDDE Response Procedure Manual ☐ Municipal-wide Water Quality Plan ☐ Ordinances ☐ Pollution Prevention Program ☐ Post-Construction Program ☐ Winter roadway maintenance

First Name:	
Last Name:	
Title:	
Mailing Address:	
Mailing Address 2:	
City:	
State:	
Zip Code:	xxxxx or xxxxx-xxxx
Phone Number:	Ext: xxx-xxx-xxxx
Email:	

1. Does the municipality rely on another entity to satisfy some of the permit requirements?

◉ Yes ○ No

☑ Public Education and Outreach NEWSC

☑ Public Involvement and Participation NEWSC

☐ Illicit Discharge Detection and Elimination

☐ Construction Site Pollutant Control

☐ Post-Construction Storm Water Management

☐ Pollution Prevention

2. Has there been any changes to the municipality's participation in group efforts towards permit compliances (i.e., the municipality has added or dropped consortium membership)?

○ Yes ◉ No

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7.

Form 3400-224 (R8/2021)

Minimum Control Measures- Section 1 : Complete

1. Public Education and Outreach

a. Complete the following information on Public Education and Outreach Activities related to storm water. Select the Delivery Mechanism that best describes how the topics were conveyed to your population. Use the Add Event to add additional entries.

Event Start Date	2/1/2021
Project/Event Name	Ice and Snow Control
Delivery Mechanism	Government Event (Public Hearing, Council Meeting, etc)* *Active

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☑ Illicit discharge detection and elimination ☐ Household hazardous waste disposal/pet waste management/vehicle washing ☐ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☐ Residential infiltration ☐ Construction sites and post-construction storm water management ☑ Pollution prevention ☐ Green infrastructure/low impact development ☐ Other:	☐ General Public ☐ Public Employees ☑ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other	11-50	○ Yes ○ No

Event Start Date	2/1/2021
Project/Event Name	Grass Clipping
Delivery Mechanism	Government Event (Public Hearing, Council Meeting, etc)* *Active

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection and elimination ☐ Household hazardous waste disposal/pet waste management/vehicle washing ☑ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☐ Residential infiltration ☐ Construction sites and post-construction storm water management ☐ Pollution prevention ☐ Green infrastructure/low impact development ☐ Other:	☐ General Public ☐ Public Employees ☑ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other	11-50	○ Yes ○ No

Event Start Date	2/1/2021
Project/Event Name	Car Washing
Delivery Mechanism	Government Event (Public Hearing, Council Meeting, etc)* *Active

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☑ Illicit discharge detection and elimination ☑ Household hazardous waste disposal/pet waste management/vehicle washing ☐ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☐ Residential infiltration ☐ Construction sites and post-construction storm water management ☐ Pollution prevention ☐ Green infrastructure/low impact development ☐ Other:	☐ General Public ☐ Public Employees ☑ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other	11-50	○ Yes ○ No

Event Start Date	2/1/2021
Project/Event Name	Leaf Collection
Delivery Mechanism	Government Event (Public Hearing, Council Meeting, etc)* *Active

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☑ Illicit discharge detection and elimination ☐ Household hazardous waste disposal/pet waste management/vehicle washing ☑ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☐ Residential infiltration ☐ Construction sites and post-construction storm water management ☐ Pollution prevention ☐ Green infrastructure/low impact development ☐ Other:	☐ General Public ☐ Public Employees ☑ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other	11-50	○ Yes ○ No

Event Start Date	4/15/2021
Project/Event Name	Good Dog, Good Owner
Delivery Mechanism	Distribution of print media *Active

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection and elimination ☑ Household hazardous waste disposal/pet waste management/vehicle washing	☑ General Public ☐ Public Employees ☑ Residents	1 - 10	○ Yes ○ No

☐ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☐ Residential infiltration ☐ Construction sites and post-construction storm water management ☐ Pollution prevention ☐ Green infrastructure/low impact development ☐ Other:	☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other		

Event Start Date	5/5/2021
Project/Event Name	The Perfect Lawn
Delivery Mechanism	Distribution of print media *Active

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☐ Illicit discharge detection and elimination ☐ Household hazardous waste disposal/pet waste management/vehicle washing ☑ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☐ Residential infiltration ☐ Construction sites and post-construction storm water management ☐ Pollution prevention ☐ Green infrastructure/low impact development ☐ Other:	☐ General Public ☐ Public Employees ☑ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other	11-50	○ Yes ○ No

Event Start Date	5/11/2021
Project/Event Name	Fish Don't Swim in Chlorine
Delivery Mechanism	Social media post *Active

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☑ Illicit discharge detection and elimination ☐ Household hazardous waste disposal/pet waste management/vehicle washing ☐ Yard waste management/pesticide and fertilizer application ☐ Stream and shoreline management ☐ Residential infiltration ☐ Construction sites and post-construction storm water management ☐ Pollution prevention ☐ Green infrastructure/low impact development ☐ Other:	☑ General Public ☐ Public Employees ☐ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other	101 +	○ Yes ○ No

b. Brief explanation on Public Education and Outreach reporting. *Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Additional Information Included in Attachment 2

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 2 : Complete

2. Public Involvement and Participation

a. Permit Activities. Complete the following information on Public Involvement and Participation Activities related to storm water. Select the Delivery Mechanism that best describes how the permit activities were conveyed to your population. Use the Add Event to add additional entries.

Event Start Date	3/8/2021
Project/Event Name	Board of Public Works Meeting
Delivery Mechanism	Government Event (Public Hearing, Council Meeting, etc)

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☑ MS4 Annual Report ☐ Storm Water Management Program ☐ Storm Water related ordinance ☐ Other:	☑ General Public ☐ Public Employees ☐ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other	101 +	○ Yes ◉ No

Event Start Date	3/15/2022
Project/Event Name	Common Council Meeting
Delivery Mechanism	Government Event (Public Hearing, Council Meeting, etc)

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☑ MS4 Annual Report ☐ Storm Water Management Program ☐ Storm Water related ordinance ☐ Other:	☑ General Public ☐ Public Employees ☑ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other	101 +	○ Yes ○ No

b. Volunteer Activities. Complete the following information on Public Involvement and Participation Activities related to storm water. Select the Delivery Mechanism that best describes how volunteer activities were conveyed to your population. Use the Add Event to add additional entries.

Event Start Date	3/29/2021 ☐ NA (Individual Permittee).
Project/Event Name	Beautification Committee Fox River Trail
Delivery Mechanism	Clean up event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
Volunteer Opportunity	☑ General Public ☐ Public Employees ☐ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other	Select...	○ Yes ○ No

Event Start Date	5/1/2021 ☐ NA (Individual Permittee).
Project/Event Name	Watershed Cleanup
Delivery Mechanism	Clean up event

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
Volunteer Opportunity	☑ General Public ☐ Public Employees ☐ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other	101 +	◉ Yes ○ No

Event Start Date	8/5/2021 ☐ NA (Individual Permittee).
Project/Event Name	Sustainability Commission Farmers Market Booth
Delivery Mechanism	Public Workshop

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
Volunteer Opportunity	☑ General Public	Select...	○ Yes ○ No

	☐ Public Employees ☐ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other		

Event Start Date	10/7/2021 ☐ NA (Individual Permittee).
Project/Event Name	Saltwise Training
Delivery Mechanism	Public Workshop

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
Volunteer Opportunity	☑ General Public ☑ Public Employees ☐ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Other	101 +	○ Yes ○ No

c. Brief explanation on Public Involvement and Participation reporting. *Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 3 : Complete

3. Illicit Discharge Detection and Elimination

a.	How many total outfalls does the municipality have?	112	☐ Unsure
b.	How many outfalls did the municipality evaluate as part of their routine ongoing field screening program?	48	☐ Unsure
c.	From the municipality's routine screening, how many were confirmed illicit discharges?	0	☐ Unsure
d.	How many illicit discharge complaints did the	1	☐ Unsure

municipality receive?

e. From the complaints received, how many were confirmed illicit discharges? 1 ☐ Unsure

f. How many of the identified illicit discharges did the municipality eliminate in the reporting year (from both routine screening and complaints)? 1 ☐ Unsure
(If the sum of 3.c. and 3.e. does not equal 3.f., please explain below.)

g. How many of the following enforcement mechanisms did the municipality use to enforce its illicit discharge ordinance? Check all that apply and enter the number of each used in the reporting year. ☐ Unsure

- ☑ Verbal Warning 1
- ☐ Written Warning (including email)
- ☑ Notice of Violation 1
- ☐ Civil Penalty/ Citation

Additional Information:

h. Brief explanation on Illicit Discharge Detection and Elimination reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 4 : Has Missing Items

4. Construction Site Pollutant Control

a. How many total construction sites with one acre or more of land disturbing construction activity were active at any point in the reporting year? ☐ Unsure

b. How many construction sites with one acre or more of land disturbing construction activity did the municipality issue permits for in the reporting year? ☐ Unsure

c. How many erosion control inspections did the municipality complete in the reporting year (at sites with one acre or more of land disturbing construction activity)? ☐ Unsure

d. What types of enforcement actions does the municipality have available to compel compliance with the regulatory mechanism? Check all that apply and enter the number of each used in the reporting year. ☐ Unsure

- ☐ No Authority
- ☐ Verbal Warning

- ☐ Written Warning (including email)
- ☐ Notice of Violation
- ☐ Civil Penalty/ Citation
- ☐ Stop Work Order
- ☐ Forfeiture of Deposit
- ☐ Other - Describe below

e. Brief explanation on Construction Site Pollutant Control reporting . *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page*.

Missing Information

Question 4d is required, Question 4c is required., Question 4b is required., Question 4a is required.,

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 5 : Complete

5. Post-Construction Storm Water Management

a. How many sites with new structural storm water management facilities* have received local approval ? 1 ☐ Unsure

*Engineered and constructed systems that are designed to provide storm water quality control such as wet detention ponds, constructed wetlands, infiltration basins, grassed swales, permeable pavement, catch basin sumps, etc.

b. Does the permittee have procedures for inspecting and maintaining private storm water facilities? ◉ Yes ○ No ☐ Unsure

c. If Yes, how many privately owned storm water management facilities were inspected in the reporting year ? 58 ☐ Unsure

Inspections completed by private landowners should be included in the reported number.

d. What types of enforcement actions does the municipality have available to compel compliance with the regulatory mechanism? Check all that apply and enter the number of each used in the reporting year. ☐ Unsure

- ☐ No Authority
- ☐ Verbal Warning
- ☑ Written Warning (including email) 8
- ☐ Notice of Violation
- ☐ Civil Penalty/ Citation

- ☐ Forfeiture of Deposit
- ☐ Complete Maintenance
- ☐ Bill Responsible Party
- ☐ Other - Describe below

e. Brief explanation on Post-Construction Storm Water Management reporting . *If marked 'Unsure' on any questions above, justify your reasoning. Limit your response to 250 characters and/or attach supplemental information on the attachments page*.

Missing Information

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 6 : Has Missing Items

6. Pollution Prevention

Storm Water Management Facility Inspections ☐ Not Applicable

a. Enter the total number of municipally owned or operated structural storm water management facilities ? 91 ☐ Unsure

b. How many new municipally owned storm water management facilities were installed in the reporting year ? 0 ☐ Unsure

c. How many municipally owned storm water management facilities were inspected in the reporting year? 91 ☐ Unsure

d. What elements are looked at during inspections (250 character limit)?

See the attached pond and swale inspection checklists.

e. How many of these facilities required maintenance? 29 ☐ Unsure

f. Brief explanation on Storm Water Management Facility inspection reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page*.

Public Works Yards & Other Municipally Owned Properties (SWPPP Plan Review) ☐ Not Applicable

g. How many municipal properties require a SWPPP? 1 ☐ Unsure

h. How many inspections of municipal properties have been conducted in the reporting year? 12 ☐ Unsure

i.

Have amendments to the SWPPPs been made?
○ Yes ◉ No ○ Unsure

j. If yes, describe what changes have been made. Limit response to 250 characters and/or attach supplemental information on the attachment page:

k. Brief explanation on Storm Water Pollution Prevention Plan reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Collection Services - *Street Sweeping / Cleaning Program* ☐ Not Applicable

l. Did the municipality conduct street sweeping/cleaning during the reporting year?
◉ Yes ○ No ○ Unsure

m. If known, how many tons of material was removed? 336 ☐ Unsure

n. Does the municipality have a low hazard exemption for this material? ○ Yes ◉ No

o. If street cleaning is identified as a storm water best management practice in the pollutant loading analysis, was street cleaning completed at the assumed frequency?
◉ Yes - Explain frequency Daily
○ No - Explain _____
○ Not Applicable

Collection Services - *Catch Basin Sump Cleaning Program* ☐ Not Applicable

p. Did the municipality conduct catch basin sump cleaning during the reporting year? ◉ Yes ○ No ○ Unsure

q. How many catch basin sumps were cleaned in the reporting year? 565 ☐ Unsure

r. If known, how many tons of material was collected? ☑ Unsure

s. Does the municipality have a low hazard exemption for this material? ○ Yes ◉ No

t. If catch basin sump cleaning is identified as a storm water best management practice in the pollutant loading analysis, was cleaning completed at the assumed frequency?
○ Yes- Explain frequency _____
○ No - Explain _____
○ Not Applicable

Collection Services - *Leaf Collection Program* ☐ Not Applicable

u. Does the municipality conduct curbside leaf collection? ◉ Yes ○ No ○ Unsure

v. Does the municipality notify homeowners about pickup? ◉ Yes ○ No ○ Unsure

w. Where are the residents directed to store the leaves for collection?
☑ Pile on terrace ☐ Pile in street ☐ Bags on terrace ☐ Unsure

☐ Other - Describe _____

x. What is the frequency of collection?
Once per week for 6 weeks (fall) and 3-4 weeks (spring)

y. Is collection followed by street sweeping/cleaning? ◉ Yes ○ No ○ Unsure

z. Brief explanation on Collection Services reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page*

Winter Road Management ☐ Not Applicable

*Note: We are requesting information that goes beyond the reporting year, answer the best you can.

aa. How many lane-miles of roadway is the municipality responsible for doing snow and ice control? 250 ☐ Unsure

ab. Provide amount of de-icing products used by month last winter season?

Solids (tons) (ex. sand, or salt-sand)

Product	Oct	Nov	Dec	Jan	Feb	Mar
Salt	0	42	274	153	258	12

Liquids (gallons) (ex. brine)

	Oct	Nov	Dec	Jan	Feb	Mar
Brine	0	2000	4800	10000	6500	5800

ac. Was salt applying machinery calibrated in the reporting year? ◉ Yes ○ No ○ Unsure

ad. Have municipal personnel attended salt reduction strategy training in the reporting year? ◉ Yes ○ No ○ Unsure

Training Date	Training Name	# Attendance
1/11/2021	Saltwise	3
9/29/2021	Western U.S. Snow and Ice Conference	1

ae. Brief explanation on Winter Road Management reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page*

Internal (Staff) Education & Communication

af. Has training or education been held for municipal or other personnel involved in implementing each of the pollution prevention program elements ? ○ Yes ◉ No ○ Unsure

If yes, describe what training was provided (250 character limit):

When:

How many attended:

ag. Describe how the municipality has kept the following local officials and municipal staff aware of the municipal storm water discharge permit programs and its requirements.

Elected Officials

Municipal Officials

Appropriate Staff (such as operators, Department heads, and those that interact with public)

ah. Brief explanation on Internal Education reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Missing Information

Question 6t is required., Describe road maintenance training given, Please enter appropriate staff for question 6ag., Please enter municipal officials for question 6ag., Please enter elected officials for question 6ag.,

Do not close your work until you **SAVE.**

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 7 : Complete

7. Storm Sewer System Map

a. Did the municipality update their storm sewer map this year?

◉ Yes ○ No ○ Unsure

If yes, check the areas the map items that got updated or changed:

- ☑ Storm water treatment facilities
- ☑ Storm pipes
- ☐ Vegetated swales
- ☐ Outfalls
- ☐ Other - Describe below

b. Brief explanation on Storm Sewer System Map reporting. *If you marked Unsure for an question for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Missing Information

Do not close your work until you SAVE.

Form 3400-224 (R8/2021)

Final Evaluation - Complete

Fiscal Analysis

Complete the fiscal analysis table provided below. For municipalities that do not break out funding into permit program elements, please enter the monetary amount to your best estimate of what funding may be going towards these programs.

Annual Expenditure Reporting Year	**Budget** Reporting Year	**Budget** Upcoming Year	**Source of Funds**
Element: Public Education and Outreach			
22669	22669	23817	Storm water utility
Element: Public Involvement and Participation			
22669	22669	23817	Storm water utility
Element: Illicit Discharge Detection and Elimination			
11847	11847	12769	Storm water utility
Element: Construction Site Pollutant Control			
71604	70905	75617	Storm water utility
Element: Post-Construction Storm Water Management			
472711	232754	1505643	Storm water utility
Element: Pollution Prevention			
1591823	1591823	2634183	Storm water utility
Other (describe)			
			Select...

Please provide a justification for a "0" entered in the Fiscal Analysis. *Limit response to 250 characters*.

Water Quality

a: Were there any known water quality improvements in the receiving waters to which the

municipality's storm sewer system directly discharges to?
○ Yes ◉ No ○ Unsure If Yes, explain below:

b : Were there any known water quality degradation in the receiving waters to which the municipality's storm sewer system directly discharges to?
○ Yes ◉ No ○ Unsure If Yes, explain below:

c: Have any of the receiving waters that the municipality discharges to been added to the impaired waters list during the reporting year?
○ Yes ◉ No ○ Unsure

d: Has the municipality evaluated their storm water practices to reduce the pollutants of concern?
◉ Yes ○ No ○ Unsure

Storm Water Quality Management

a. Has the municipality completed or updated modeling in the reporting year (relating to developed urban area performance standards of s. NR 151.13(2)(b)1., Wis. Adm. Code)? ○ Yes ◉ No

b. If yes, enter percent reduction in the annual average mass discharging from the entire MS4 to surface waters of the state as compared to implementing no storm water management controls:

Total suspended solids (TSS)

Total phosphorus (TP)

Status of Total Maximum Daily Loads (TMDLs) Implementation

The permittee De Pere City is subject to the following approved TMDLs: Lower Fox River Basin and Lower Green Bay

The permittee intends to comply with the following permit requirements to show progress towards meeting the TMDL:

[A.3.1] The Permittee is following the TMDL Compliance Plan, which received department concurrence prior to April 30, 2019.
The permittee is confirming that all planned efforts are on schedule.
◉ Agree ○ Disagree

[A.6.3] Final Documentation.
The permittee is confirming that all planned efforts are on schedule to submit the final documentation materials [updates to mapping, modeling, tabular summary, and Implementation Plan] under section A.6.3 by October 31, 2023.
◉ Agree ○ Disagree

Additional Information

Based on the municipality's storm water program evaluation, describe any proposed changes to the municipality's storm water program. *If your response exceeds the 250 character limit, attach supplemental information on the attachments page.*

Do not close your work until you SAVE.

Form 3400-224 (R8/2021)

Requests for Assistance on Understanding Permit Programs

Would the municipality like the Department to contact them about providing more information on understanding any of the Municipal Separate Storm Sewer Permit programs?

Please select all that apply:

- ☐ Public Education and Outreach
- ☐ Public Involvement and Participation
- ☐ Illicit Discharge Detection and Elimination
- ☐ Construction Site Pollutant Control
- ☐ Post-Construction Storm Water Management
- ☐ Pollution Prevention
- ☐ Storm Water Quality Management
- ☐ Storm Sewer System Map
- ☐ Water Quality Concerns
- ☐ Compliance Schedule Items Due
- ☐ MS4 Program Evaluation

Do not close your work until you **SAVE.**

Form 3400-224(R8/2021)

Required Attachments and Supplemental Information

Any other MS4 program information for inclusion in the Annual Report may be attached on here. Use the Add Additional Attachments to add multiple documents.

Upload Required Attachments (15 MB per file limit) - Help reduce file size and trouble shoot file uploads
*Required Item

Note: To replace an existing file, use the 'Click here to attach file ' link or press the to delete an item.

Storm Sewer System Map

File Attachment

Attach - Other Supporting Documents

(To remove items, use your cursor to hover over the attachment section. When the drop down arrow appears, select remove item)

Attach - Permit Compliance Documents

(To remove items, use your cursor to hover over the attachment section. When the drop down arrow appears, select remove item)

Missing Information

You must attach a Storm Sewer Map file,

Draft and Share PDF Report with the permittee's governing body or delegated representatives.

Press the button below to create a PDF. The PDF will be sent to the email address associated with the WAMS ID that is signed in. After the annual report has been reviewed by the governing body or delegated representative, return to the MS4 eReporting System to submit the final report to the DNR.

Draft and Share PDF Report

Do not close your work until you **SAVE.**

Form 3400-224(R8/2021)

Complete and Submit Your Application

You have not completed all areas of the application. Please return to the application and complete all missing items.

Contact Information:	Complete
Minimum Control Measures Section 1:	Complete
Minimum Control Measures Section 2:	Complete
Minimum Control Measures Section 3:	Complete
Minimum Control Measures Section 4:	Has Missing Items
Minimum Control Measures Section 5:	Complete
Minimum Control Measures Section 6:	Has Missing Items
Minimum Control Measures Section 7:	Complete
Attachments:	Has Missing Items
Final Evaluation:	Complete

CITY OF DE PERE

Public Works - Engineering Department

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City of De Pere MS4 Annual Permit – Supplemental Information for 2021 Activities
Last Update: March 3, 2022

Below is a summary of activities completed for the various requirements of the MS4 permit.

Public Education and Outreach Summary

- Discussed the storm sewer system and storm water management with the general public at three different public information meetings on February 1st, 2nd, and 3rd. The power point presentation and review included NEWSC handout guides for
  - Ice and Snow Control
  - Grass Clipping
  - Car Washing
  - Leaf Collection
- Staff presented a summary of the annual MS 4 permit to the Board of Public Works on March 8th, 2021.
- Letters were sent to property owners identified as dumping dog waste on adjacent vacant parcels on April 15, 2021 – 2 property owners. Owners were provided the "Good Dog, Good Owner" brochure created by NEWSC.
- Letters were sent to property owners to remove grass clippings/debris from swales and/or ponds. "The Perfect Lawn" flyers were included with the letters.
  - May 5, 2021
  - June 15, 2021 – 3 property owners
- Letters were sent to property owners to remove grass clipping/debris from swales and/or ponds.
  - August 9, 2021 – 3 property owners
- Posted "Fish Don't Swim in Chlorine" on May 11, 2021. Also provided to the Inspection Department for sharing with property owners.
- Letters were sent to property owners with proper maintenance of the drainage swale in their back yard. The "perfect lawn" was included with the letter.
  - May 11, 2021 – 17 property owners.
- A letter was sent to 2201-2203 Rygar Court to perform wale maintenance on August 17, 2021. "The Perfect Lawn" flyer was included.

Public Involvement and Participation

- The City MS4 Team met on February 15th, 2021 (7 employees).
- The City's Beautification Committee cleans up garbage along the Fox River Trail weekly.

- The Fox-Wolf Watershed hosted a clean-up event on May 1, 2021, at Voyageur Park and Bomier Boat Launch. City staff participated in the event. (NEWSC Annual Report)
- The City presented the MS4 2021 Annual Report to the Board of Public Works and City Council meetings in March 2021.
- Sustainability Commission Farmers Market Booth. August 5 and September 2, 2021
- Hosted Saltwise training at the Municipal Service Center. City staff led a discussion with local communities and the media to discuss techniques being used to minimize salt. Two separate news stories were run on local TV.

Illicit Discharge Detection and Elimination

- Addressed Grease container discharge at 310 Charles Street.
- Updated Spill and Illicit Discharge Response Procedure Manual on June 28, 2021

Construction Site Pollutant Control

- Inspection Department e-mailed local home builders and developers with erosion control ordinance information on March 3, 2021.
- Inspection Department e-mailed local home builders and developers about upcoming early spring rain event. Provided multiple erosion control resources including Erosion & Sediment Control Field Guide and Inlet Protection Detail on March 9, 2021.
- Staff completed inspections on private and public construction sites. Engineering assisted the Inspection Department for erosion control practices on private sites. Staff utilized verbal and written warnings for several projects.
- Staff (8 members) participated in training by Contech on March 8, 2021
- Staff (2 members) participated in training by ASI May 25th and 27th
- Staff (1 member) participated in training by CSI on August 23rd and 24th.

Post Construction Storm Water Management

- The City performed tree and brush removal on several ponds in 2021 including the large pond system near the West Business Park.
- Staff sent out RFP's for muskrat tapping services
- Staff completed inspections on public and private storm water management systems. Private facilities requiring maintenance were sent letter in August 2021.
- The City completed maintenance on public storm water facility: All of the trees, brush, debris, and large vegetation were cleared from the swales and pond slopes.
- The City is continuing maintenance on public storm water facilities in 2021.
- The list of storm water maintenance activities is attached.
- The City installed 65 storm laterals to residents with storm sewer.
- Sent maintenance letter to 500 Fortune Avenue on June 17, 2021.
- Sent pond maintenance letters on August 19, 2021.
    - 505 Lawrence Drive.
    - 1745 E. Matthew Drive
    - 420 College Avenue
- Sent pond maintenance letters on August 23, 2021

    - 1200-1284 Pershing Road
    - 1700 Lawrence Drive
    - 1746-1776 Burgoyne Court
    - 1994 Paint Horse Trail
    - 1997 American Boulevard
    - 2191 American Boulevard
- Swale cleanup by City (billed to owner). Letters sent to owners on August 9th.
    - 1700-1702 Burgoyne Court
    - 2297 Samantha Street
- Pond correction letter send to 765 Lawrence Drive on August 24, 2021
- Swale maintenance letter to 2184 Trailside Lane on August 31, 2021
- Competed muskrat removal on six ponds in 2021
- Obtained easement for City control of a pond treating City water off of Fortune Avenue

Pollution Prevention

- Staff attended SaltWise Live Street on January 11, 2021 (2 employees)
- Staff attended Aquatic Invasive Species Webinar on January 22, 2021 (2 employees)
- Presented the video “Raincheck” to Street Department on February 24, 2021 (13 employees).
- Staff attended SaltWise Webinar on March 2, 2021 (1 employee)
- Presented the video “Raincheck” to Building Maintenance and Mechanical Departments on February 24, and March 2, 9, 11, and 22, 2021 (21 employees)
- The City cleaned and televised 67,935 linear feet of storm sewer.
- Staff attended and presented at the Western U.S. Snow and Ice Conference in September 2021.
- The City collected 813 tons of material during leaf collection and 336 tons of material from street sweeping and catch basin cleaning.

CITY OF DE PERE

Public Works - Engineering Department

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POND SEDIMENT INSPECTION CHECKLIST Get pond depths in multiple areas every 5 years to measure the sediment accumulation.	**BASIN ID:** **SITE NAME:** **PERSONS INSPECTING** **LEVEL/SAFETY ROPE:** **ICE DRILL/ROD:** **GPS:** **INSPECTION DATE:**

Ownership (Circle One) Public Private

GIS POINT NUMBER	COORDINATE (N,E)	TOP OF SEDIMENT DEPTH	BOTTOM OF POND DEPTH

ADDITIONAL COMMENTS/ISSUES:

UPDATE MASTERSHEET under x:\Storm\Inspections & Calcs by Basin\Stormwater Inspection Mastersheet

CITY OF DE PERE

Public Works - Engineering Department

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POND OPERATION & MAINTENANCE INSPECTION CHECKLIST

Inspection of all listed items shall take place at least quarterly (unless noted otherwise) and after rainfall events resulting in 2" of rainfall or more. A copy of this document shall be completed during each inspection. The party responsible for performing inspections and maintenance shall keep all completed checklists and make them available to Municipal, County, and State Officials upon request.

BASIN ID:	
SITE NAME:	
PERSON INSPECTING:	
INSPECTION DATE AND TIME:	
RAINFALL WITHIN PAST 2-3 DAYS:	

Reason for Inspection (Circle One): Complaint / Storm Event / Scheduled / Other

Ownership (Circle One) Public Private

LEGEND: PROBLEM NOTICED

N/A = Not Applicable **M = Monitor (potential for future problem)**

NP = Not a Problem **WN = Work Needed**

ITEM INSPECTED	PROBLEM NOTICED	COMMENTS
INFLOW ASSESSMENT		
Obstruction: Vegetation/Debris/Sediment		
Erosion/Undercutting		
Displacement of Fabric/ Rip Rap		
Pipe Condition/Exposure		
Other:		
FOREBAY ASSESSMENT		
Sediment/ Debris Accumulation		
Side Slope Erosion		
Invasive Vegetation		
Other:		
VEGETATED SHELF / MAIN TREATMENT AREA ASSESSMENT		
Visible Pollution / Muddiness		
Sediment / Debris Accumulation		
Plants are Dead, Diseased, or Dying		
Bare Soil/Erosive Gullies		
Algae Cover (estimate %)		
Invasive Vegetation (estimate %)		
Phragmites (estimate %)		

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EMBANKMENT ASSESSMENT		
Erosion and/or Loss of Dam Material		
Shrubs/Trees Present		
Animal Burrows		
Soft Spots or Boggy Areas		
Slides		
Other:		
OUTLET DEVICE ASSESSMENT		
Obstruction: Vegetation/Debris/Sediment		
Erosion/Undercutting		
Joint Failure/ Loss of Joint Material		
Leaking Device		
Other:		
MISCELLANEOUS		
Trash/Debris		
Access		
Vandalism		
Fence Condition (if applicable)		
Fish/ Wildlife Observations		
Signage (if applicable)		
Muskrats		

Attach color digital photographs of the site and structural BMPs including a caption describing each photo.

COMMENTS:

OVERALL CONDITION OF FACILITY:

In accordance with approved design plans? Y / N

Maintenance required as detailed above? Y / N

Dates by which maintenance should be completed: ____/_____/_____

Signature of Person Inspecting: _____

UPDATE MASTERSHEET under x:\Storm\Inspections & Calcs by Basin\Stormwater Inspection Mastersheet

CITY OF DE PERE

Public Works - Engineering Department

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BIOFILTER OPERATION & MAINTENANCE INSPECTION CHECKLIST Inspection of all listed items shall take place at least quarterly (unless noted otherwise) and after rainfall events resulting in 2" of rainfall or more. A copy of this document shall be completed during each inspection. The party responsible for performing inspections and maintenance shall keep all completed checklists and make them available to Municipal, County, and State Officials upon request.	**BASIN ID:** **ADDRESS:** **PERSON INSPECTING:** **INSPECTION DATE AND TIME:** **RAINFALL WITHIN PAST 2-3 DAYS:**

Reason for Inspection (Circle One): complaint / storm event / scheduled / other

Ownership (Circle One): Public Private

ITEM INSPECTED	PROBLEM NOTICED	COMMENTS
EMBANKMENT & EMERGENCY SPILLWAY		
1. Vegetation & ground cover condition		
2. Appropriate plants per site plan/weeds		
3. Adequate freeboard		
4. Erosion occurring		
5. Cracking or bulging		
6. Animal burrows or damage		
7. Seepage or leeks on downstream face		
8. Vertical & Horizontal alignment of top of berm as per plans		
9. Clear of debris and obstructions		
10. Accessible for maintenance		
11. Is the emergency spillway level, note condition		
BOTTOM OF BASIN		
12. Vegetative & ground cover condition		
13. Appropriate plants per site plan		
14. Removal of debris and trash (See Note 1)		
15. Visible pollution or sheen		
16. Evidence of edge erosion		
17. Ponding present over 50% of basin floor 3 days after a rainfall event (See Note 2)		

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INFLOW POINTS		
18. Riprap failures		
19. Condition of endwalls / headwalls		
20. Evidence of slope erosion		
21. Condition of inflow pipes and/or swales		
22. Condition of spreader structure (If applicable)		
OTHER		
23. Encroachments on facility maintenance easements		
24. Complaints from residents		
25. Any public hazards		
26. Evidence of invasive species		
27. Evident of snow storage on facility		

COMMENTS:

OVERALL CONDITION OF FACILITY:

In accordance with approved design plans? Y / N

Maintenance required as detailed above? Y / N

Dates by which maintenance will be completed: ____/_____/_____

Signature of Person Inspecting: _____

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Public Works - Engineering Department

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Notes:

1) Trash shall be removed as quickly as possible once it is observed.
2) Restoration Procedures – these include removing the top 2 to 3 inches, chisel plowing and adding topsoil and compost. If deep tilling is used, the basin shall be drained and the soils dried to a depth of 8 inches. If the basin was planted in turf grass and clogging again occurs after these restoration procedures have been used, the owner/operator shall replant with prairie type vegetation using the soil preparation method recommended by the native nursery in the area.
3) Do not use heavy machinery for maintenance as it may cause clogging of the surface of the basin.
4) Do not spread topsoil over surface of the basin as this will decrease the infiltration rate.
5) Keep basin off-line from the storm water system until seed become established. Never allow sediment from disturbed areas of the site to enter the basin.
6) Winter Maintenance – All drawdown devices in the pond shall be opened during winter months to discourage infiltration of runoff water containing high levels of chlorides. If this practice is an enclosed basin, the use of chloride deicers shall be limited in the area draining to the basin to reduce the chance of exceeding the limits of ch. NR 140.

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SWALE OPERATION & MAINTENANCE INSPECTION CHECKLIST Inspection of all listed items shall take place annually (unless noted otherwise) and after rainfall events resulting in 2" of rainfall or more. A copy of this document shall be completed during each inspection. The party responsible for performing inspections and maintenance shall keep all completed checklists and make them available to Municipal, County, and State Officials upon request.	**BASIN ID:** **ADDRESS:** **PERSON INSPECTING:** **INSPECTION DATE AND TIME:** **RAINFALL WITHIN PAST 2-3 DAYS:**

Reason for Inspection (Circle One): complaint / storm event / scheduled / other

Ownership (Circle One): Public Private

N/A – Not Applicable M – Monitor
NP – Not a Problem WN – Work Needed

ITEM INSPECTED	PROBLEM NOTICED	COMMENTS
SIDEWALL CONDITION		
1. Vegetation & ground cover condition		
2. Erosion occurring		
3. Cracking or bulging		
4. Animal burrows or damage		
5. Other		
BOTTOM		
6. Vegetative & ground cover condition		
7. Sediment accumulation on vegetation		
8. Removal of debris and trash needed		
9. Vertical & horizontal alignment per plan		
10. Evidence of edge erosion		
11. Sitting water present (approx. depth)		
12. Other		
INFLOW POINTS		
13. Riprap failures		
14. Evidence of slope erosion		
15. Condition of inflow pipes/endwalls and/or swales		
16. Other		

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OUTFLOW/CONNECTION POINTS		
17. Water backlog		
18. Evidence of slope erosion		
19. Condition of outflow pipes/endwalls and/or swales		
20. Other		
OTHER		
21. Encroachments on facility maintenance easements		
22. Complaints from residents		
23. Any public hazards		
24. Evidence of invasive species		
25. Evidence of snow storage on facility		
26. Evidence of dumping (Grass, leaves, etc.)		

COMMENTS:

OVERALL CONDITION OF FACILITY:

In accordance with approved design plans? Y / N

Maintenance required as detailed above? Y / N

Dates by which maintenance will be completed: ____/_____/_____

Signature of Person Inspecting: _____

CITY OF DE PERE

Public Works - Engineering Department

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STORM SEWER OUTFALL INSPECTION CHECKLIST – CITY FACILITIES Inspection of all listed items shall take place annually. This form is to be used when outlets are not inspected for IDDE.	**BASIN ID:** **SITE NAME:** **PERSON INSPECTING:** **INSPECTION DATE AND TIME:** **RAINFALL WITHIN PAST 2-3 DAYS:**

Reason for Inspection (Circle One): complaint / storm event / scheduled / other

N/A = Not Applicable **M = Monitor (potential for future problem)**

NP = Not a Problem **WN = Work Needed**

ITEM	INFORMATION	COMMENTS
GENERAL INFORMATION		
GIS Designation		
Outfall (Major or Minor)		
Endwall Size		
Endwall Material		
OUTFALLS		
Rip Rap failures		
Condition of endwalls		
Evidence of erosion		
Condition of downstream swales		
Trash/debris		
OTHER		
Complaints from residents		
Any public hazards		
Flowing water		
Signage (if applicable)		
Other		

Attach color digital photographs of the site and structural BMPs including a caption describing each photo.

CITY OF DE PERE

Public Works - Engineering Department

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COMMENTS:

OVERALL CONDITION OF FACILITY:

In accordance with approved design plans? Y / N

Maintenance required as detailed above? Y / N

Dates by which maintenance will be completed: ____/_____/_____

Signature of Person Inspecting: _____

City of De Pere - Engineering
925 S. Sixth St. ◊ De Pere, WI 54115 ◊ Ph: 920.339.4061

STORMWATER OPERATION & MAINTENANCE LISTING						No. of Problems Noticed (Inspection Checklist)					
Basin	Name or Location	Type	Date of Last Inspection	Inspector	Ownership	Monitor (M)	Work Needed (WN)	Maintence Deadline	Maintence Completed	Follow Up Inspection Date	Maintenance Needed
AC050B	Westwind Ct	Pond	8/17/2021	A. Hummel	Public/ Private	0	0	N/A	N/A		
AC020A	1901 S Ashland Ave	Pond	8/17/2021	A. Hummel	Private	0	0	N/A	N/A		
AC030A	1629 S Ashland Ave	Pond	8/17/2021	A. Hummel	Private	0	0	N/A	N/A		
AC090A	1420 Fortune Ave (Harper Co.)	Dry Detention	8/17/2021	A. Hummel	Public/ Private	0	0	N/A	N/A		
AC050A	250 S 9th St (Rennes Health)	Pond	7/27/2021	A. Hummel	Private	1	0	N/A	N/A		
AC050A	900 Main Ave (Unison Credit Union)	Biofilter	8/17/2021	A. Hummel	Private	2	0	N/A	N/A		
AC050B	765 Lawrence Dr (Pool Works Inc)	Pond	8/17/2021	A. Hummel	Private	0	0	N/A	N/A		
AC051	261 N Lawrence Dr	Pond	6/21/2021	A. Hummel	Public	0	0	N/A	N/A		
AC055A	1001 Main Ave (Festival Foods)	Pond	6/27/2021	A. Hummel	Private	1	0	N/A	N/A		
AC055A	1501 Main Ave (Mid-Valley)	Pond	6/21/2021	A. Hummel	Private	0	0	N/A	N/A		
AC050A	Elm - Ninth St	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Public	1	0	N/A	N/A		
AC060A	505 Lawrence Dr	Pond	8/17/2021	A. Hummel	Private	1	1	N/A	N/A		Clean trash
AC060A	505 Lawrence Dr (Creative Signs Co Inc)	Biofilter	8/17/2021	Inspected as a pond	Private	0	0	N/A	N/A		
AC060A	875 Lawrence Dr (Cummins)	Pond	7/27/2021	A. Hummel	Private	0	0	N/A	N/A		
AC050A	Suburban - Ninth on Grant St	Swale/Ravine	8/18/2021	A. Hummel	Public	1	1	N/A	N/A		Cleaning
AC090A	1717 Lawrence Dr (Shopko Northwest)	Pond	8/16/2021	A. Hummel	Public/ Private	2	0	N/A	N/A		
AC070A	1205 Lawrence Dr (Concrete Contractors)	Pond	7/27/2021	A. Hummel	Private	2	0	N/A	N/A		
AC070A	1313 Lawrence Dr (Rear Menards/Walmart)	Pond	7/27/2021	A. Hummel	Private	0	0	N/A	N/A		
AC070A	1400 Block Lawrence Dr (Menards Parking)	Pond	7/27/2021	A. Hummel	Private	0	0	N/A	N/A		
AC080A	1610-1620 Lawrence Dr (Scheuring)	Pond	8/16/2021	A. Hummel	Private	2	0	N/A	N/A		
AC090A	1700 Lawrence Dr (Community First Credit Union)	Pond	8/16/2021	A. Hummel	Private	1	2	N/A	N/A		Endwall cracked, garbage
AC090A	1717 Lawrence Dr (Shopko Northeast)	Pond	8/16/2021	A. Hummel	Private	1	0	N/A	N/A		
AC130A	1951 Snowy Owl Ct [Organics Inc]	Pond	8/17/2021	A. Hummel	Public/ Private	2	0	N/A	N/A		
AC090A	1801 Lawrence Dr (Independent Printing)	Pond	8/16/2021	A. Hummel	Private	1	0	N/A	N/A		
AC090A	1869 American Blvd (Graybar)	Pond	8/16/2021	A. Hummel	Private	0	0	N/A	N/A		
AC090A	1997 American Blvd (Cleaning Systems)	Pond	8/16/2021	A. Hummel	Private	0	2	N/A	N/A		Endwalls separated, clean vegetation
AC090A	2000 American Blvd. (northeast)	Dry Detention	8/16/2021	A. Hummel	Private	0	0	N/A	N/A		
AC090A	2000 American Blvd. (southwest)	Pond	8/16/2021	A. Hummel	Private	1	0	N/A	N/A		
AC090A	2001 Lawrence (Coin Wrap)	Pond	8/16/2021	A. Hummel	Private	1	0	N/A	N/A		
AC090A	2001 Lawrence (Coin Wrap)	Swale/Ravine	8/18/2021	A. Hummel	Private	0	0	N/A	N/A		
AC090A	Shopko Southeast (Dry)	Dry Detention	8/17/2021	A. Hummel	Private	0	0	N/A	N/A		
AC100A	1100 Employers Blvd (Humana)	Pond	8/16/2021	A. Hummel	Private	0	0	N/A	N/A		
AC100A	1880 Southbridge Rd	Pond	8/16/2021	A. Hummel	Private	1	0	N/A	N/A		
AC100D	1746-1770 Burgoyne Ct. (Burgoyne Lake Apartments)	Pond	7/8/2021	A. Hummel	Private	3	3	N/A	N/A		Rocks, fabric, electrical wire, erosion
AC100D	2191 American Blvd (Milwood)	Pond	7/20/2021	A. Hummel	Private	0	3	N/A	N/A		Trash, erosion, fabric/rocks
AC160A	2221 Innovation Dr (American 3 Fab)	Pond	8/17/2021	A. Hummel	Private	2	0	N/A	N/A		
ER010A	W. Baraboo Cir.	Swale/Ravine	8/18/2021	A. Hummel	Public/ Private	0	0	N/A	N/A		
ER015A	Pecatonica Ct (Charleston Pointe II)	Pond	6/15/2021	A. Hummel & ML	Public/ Private	6	2	N/A	N/A		Two inlet pipes by Ridgeway need cleaning, two silt logs near end of Pecatonica Cir need to be removed
ER010A	1820-11A Ridgeway Dr (Eau Claire Pl)	Pond	6/14/2021	A. Hummel	Public	5	0	N/A	N/A		

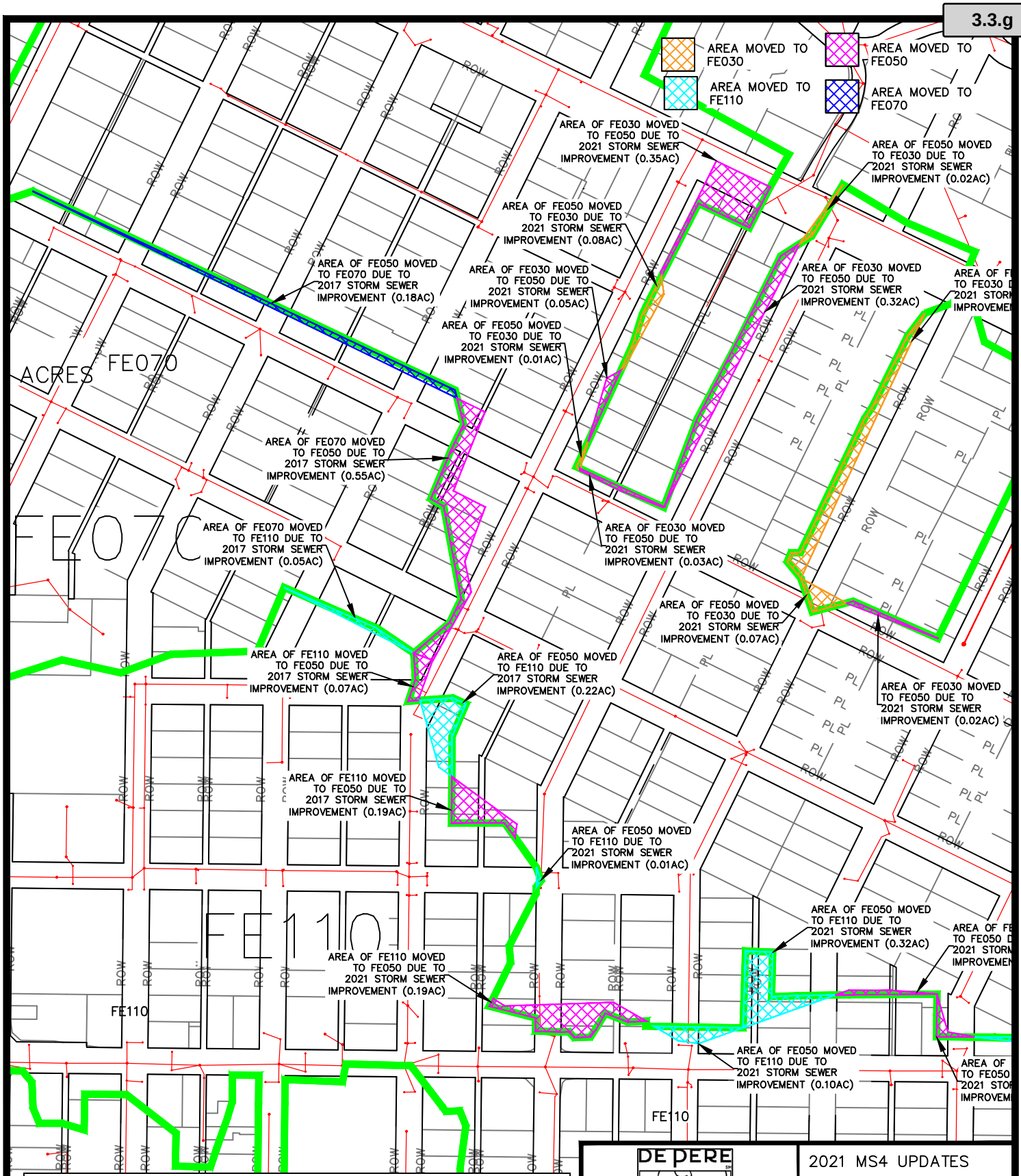
ER020A	Pecatonica Ct drain	Swale/Ravine	6/15/2021	A. Hummel & ML	Public/ Private	0	0	N/A	N/A		
ER030A	1979 Tyler Ln	Pond	6/14/2021	A. Hummel	Public/ Private	2	1	N/A	N/A		Clean/clear inflow pipe of debris/sediment/vegetation
ER010A	825 E River Dr + 1901 Ridgeway Dr (Charleston Pointe I)	Pond	7/19/2021	A. Hummel	Private	2	0	N/A	N/A		
ER040A	Shelley Ln [POTENTIAL]	FUTURE			Public/ Private						
ER010A	Brule Rd. - Ridgeway Dr. Pond Connection	Swale/Ravine	8/18/2021	A. Hummel	Private	0	0	N/A	N/A		
ER010A	Pike Ln.	Swale/Ravine	8/18/2021	A. Hummel	Private	0	1	N/A	N/A		Garbage
ER040A	1881 Chicago St. (Aurora)	Dry Detention	7/20/2021	A. Hummel	Private	0	0	N/A	N/A		
ER080A	1950 Enterprise Dr (CA Lawton)	Pond	7/27/2021	A. Hummel	Private	1	0	N/A	N/A		
ER080B	1900 Enterprise Dr.	Pond	7/27/2021	A. Hummel	Private	1	0	N/A	N/A		
ER100A	711 Millenium Ct	Biofilter	8/17/2021	A. Hummel		0	0	N/A	N/A		
AC055A	Exit 163 (Mid-Valley Rd-Hwy 41)	Pond	6/21/2021	A. Hummel	Public	0	3	N/A	N/A		Vegetation & trash at inflows. North endwall cracked and hole in ground at pipe connection
FE010B	1040 N Broadway (Abbey Pond, SNC)	Pond	7/19/2021	A. Hummel	Private	0	0	N/A	N/A		
FE240B	1200-1281 Pershing Rd (Lake Park Estates)	Pond	8/16/2021	A. Hummel	Private	3	2	N/A	N/A		Cracked inlet and outlet
FE260A	801 O'Keefe Rd	Dry Detention	8/16/2021	A. Hummel	Private	0	0	N/A	N/A		
FE260B	1850 Enterprise Dr. (Dry)	Dry Detention	7/27/2021	A. Hummel	Private	2	0	N/A	N/A		
FE270A	1891 Commerce Dr (Bedford Paper)	Pond	7/13/2021	A. Hummel	Private	1	0	N/A	N/A		
FW070A	450 College Ave (Joliet Square Apartments) (420 College Ave)	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Private	0	2	N/A	N/A		silt logs, fence, and bag
FW070A	West De Pere High School (Dry)	Dry Detention	-	-	Private	-	-	N/A	N/A		
FW140A	601 Third Avenue	Biofilter	8/17/2021	A. Hummel	Private	0	0	N/A	N/A		
ER130A	Diversity Dr (Susie C Altmayer Elementary)	Pond	7/27/2021	A. Hummel	Public/ Private	2	1	N/A	N/A		Inlet needs cleaning
FE030A	1011 Broadway St. (West of Fox River Trail)	Pond	8/17/2021	A. Hummel	Public/ Private	2	0	N/A	N/A		
FW180A	1300 Lost Dauphin (SNC Baseball, Mel Nicks Field)	Dry Detention	8/16/2021	A. Hummel	Private	0	0	N/A	N/A		
FW200A	1600 Lost Daupin (SNC Track, Schneider Athletic)	Pond	8/16/2021	A. Hummel	Private	0	0	N/A	N/A		
FW200B	1745 E Matthew Dr (De Pere Cabinet)	Pond	7/19/2021	A. Hummel	Private	3	2	N/A	N/A		
FW200C	1251 Scheuring Rd (Front Cadre)	Biofilter	8/17/2021	A. Hummel	Private	1	0	N/A	N/A		
FW200C	1252 Scheuring Rd (Cadre) East Swale	Swale/Ravine	8/17/2021	A. Hummel	Private	0	0	N/A	N/A		
FW200C	1255 Scheuring Rd (Behind Cadre)	Pond	7/19/2021	A. Hummel	Private	0	0	N/A	N/A		
FW200C	1740 E. Matthew Dr. (1751 W. Matthew Dr.)	Swale/Ravine	8/18/2021	A. Hummel	Private	0	0	N/A	N/A		
AC060A	NW Lawrence - Grant Dry	Dry Detention	6/22/2021	A. Hummel	Public	1	0	N/A	N/A		
AC060A	SW Lawrence - Grant	Pond	6/22/2021	A. Hummel	Public	3	0	N/A	N/A		
AC090A	Exit 161 Roundabout (Hwy 41 - Scheuring)	Pond	6/22/2021	A. Hummel	Public	1	1	N/A	N/A		Outflow pipe needs cleaning
AC090A	Lawrence Dr (Integrys Parking-Preserve Entrance)	Pond	6/9/2021	A. Hummel	Public	3	1	N/A	N/A		North outlet endwall 2.5" separation
AC090A	Scheuring - American Blvd	Pond	7/10/2021	A. Hummel	Public	2	0	N/A	N/A		
AC100A	Ashwaubenon Creek (Preserve behind Humana-Hwy 41)	Pond	6/15/2021	A. Hummel	Public	7	2	N/A	N/A		4 endwall pipes separated. See 2020 inspection for pictures
FW200D	1997 Venture Ave Drainage Swale	Swale/Ravine	7/13/2021	A. Hummel	Private	0	0	N/A	N/A		
AC100A	Hemlock Creek (Preserve behind Humana - Hwy 41)	Pond	6/15/2021	A. Hummel	Public	3	3	N/A	N/A		2 pipes joint separation. See 2020 inspection for pictures. Sink hole by wood bridge
AC100A	Humana Swale - Preserve	Swale/Ravine	6/9/2021	A. Hummel	Public	0	0	N/A	N/A		
AC100B	2077B Lawrence Dr (Honeysuckle)	Pond	8/13/2021	A. Hummel	Public	0	2	N/A	N/A		endwall separation
AC100B	Honeysuckle Swale (Rygar Ct.)	Swale/Ravine	8/16/2021	A. Hummel	Public	0	2	N/A	N/A		Garbage, dirt birm
AC100D	American Blvd - Southbridge Rd	Pond	7/28/2021	A. Hummel	Public	1	0	N/A	N/A		
AC100D	American Blvd Central (Samantha St)	Pond	7/28/2021	A. Hummel	Public	0	0	N/A	N/A		

AC100D	American Blvd Central 2 (Burgoyne Ct)	Pond	6/9/2021	A. Hummel	Public	0	3	N/A	N/A		Major erosion from muskrats at 1743 Marissa Ct. Trampoline in water at 1744 Marissa Ct.
FE150A	1171 S Atrium Ct	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Public/ Private	0	0	N/A	N/A		
AC100D	Central connecting ditch (American Blvd)	Swale/Ravine	7/28/2021	A. Hummel/M. McVey	Public	0	0	N/A	N/A		
AC100D	Northern connecting ditch (American Blvd)	Swale/Ravine	7/28/2021	A. Hummel/M. McVey	Public	0	0	N/A	N/A		
AC100D	Southern connecting ditch (American Blvd)	Swale/Ravine	7/28/2021	A. Hummel/M. McVey	Public	0	0	N/A	N/A		
AC100E	Adare Ct	Pond	7/28/2021	A. Hummel/M. McVey	Public	1	0	N/A	N/A		
AC100E	American Blvd South (Tullig)	Pond	6/14/2021	A. Hummel	Public	3	2	N/A	N/A		Inflow pipe end wall 1.2" separation; small lateral near inflow has rocks in it. Outlet separation hard access. See 2020 inspection
AC110A	Payton Ct	Pond	7/8/2021	A. Hummel	Public	2	0	N/A	N/A		
AC140A	Cross Creek Cir	Pond	8/13/2021	A. Hummel	Public	2	0	N/A	N/A		
AC140A	Cross Creek Cir	Swale/Ravine	8/13/2021	A. Hummel	Public	0	0	N/A	N/A		
AC150A	Daytona Speedway (Pocono Ct)	Pond	7/13/2021	A. Hummel	Public	3	1	N/A	N/A		
AC160A	Southbridge - Innovation (Foth)	Pond	6/21/2021	A. Hummel	Public	1	1	N/A	N/A		Remove silt fence
AC170A	Southwest Park West - Daytona Speedway	Dry Detention	7/13/2021	A. Hummel	Public	0	0	N/A	N/A		
AC180A	Southwest Park South (Diamond)	Pond	7/13/2021	A. Hummel	Public	0	0	N/A	N/A		
AC190A	2020 Innovation Court	Pond	6/21/2021	A. Hummel	Private	0	0	N/A	N/A		
ER015A	W Rock River Cir	Swale/Ravine	8/18/2021	A. Hummel	Public	1	1	N/A	N/A		Endwall cracked
ER020A	East River Dr - Rock River Ct	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Public	0	0	N/A	N/A		
ER020A	East River Trail (Black Earth Dr)	Pond	6/14/2021	A. Hummel	Public	0	1	N/A	N/A		Trash and debris in outlet by wood bridge
ER030A	Brule Rd. - Sullivan Ln.	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Public	1	0	N/A	N/A		
ER030A	Desplaine Rd. - East River Dr.	Swale/Ravine	7/26/2021	A. Hummel	Public	0	1	N/A	N/A		Cleaning
ER030A	East River Dr. - Black Earth Dr. (East)	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Public	0	0	N/A	N/A		
ER030A	Shelley Ln. - Brule Rd.	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Public	0	1	N/A	N/A		Cleaning
ER030A	Shelley Ln. (East)	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Public	0	0	N/A	N/A		
ER030A	Sullivan Ln. - Desplaine Rd.	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Public	0	0	N/A	N/A		
ER040A	Jim Martin Park	Pond	7/19/2021	A. Hummel	Public	4	0	N/A	N/A		
ER040A	Jim Martin Park 1st Easement East	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Public	1	1	N/A	N/A		Garbage
ER050A	Shetland Pl - Saddlebrook Ln (Rotary Park)	Pond	6/14/2021	A. Hummel	Public	5	2	N/A	N/A		Two inlet pipes joint separation
ER060A	Painthorse Trail	Pond	7/9/2021	A. Hummel	Public	1	1	N/A	N/A		Cracked lateral
ER080A	Ledgeview Swan Rd (Jossart Brothers Co.)	Pond	7/9/2021	A. Hummel	Public	0	1	N/A	N/A		Boat *Ledgeview is responsible for maintenance
ER100A	Millenium Ct	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Public	0	0	N/A	N/A		
ER110A	Enterprise Dr (Sit & Stay Pet Resort)	Pond	7/13/2021	A. Hummel	Public	0	0	N/A	N/A		
ER120A	S. Melcorn Cl	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Public	1	2	N/A	N/A		Dirt in lateral and pipe endwall separation
ER120A	Trailside Ln	Pond	6/14/2021	A. Hummel	Public	7	2	N/A	N/A		4.5" outlet separation and clear vegetation
ER120B	Rockland Rd (North of 2100-2120 S. Broadway St.)	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Public	0	0	N/A	N/A		
FE275A	600 Heritage Rd (Belmark-Briarwood)	Pond	7/26/2021	A. Hummel	Public/ Private	1	1	N/A	N/A	Added on 10/18/2017	Lateral Pipe underwater
FE275A	600 Heritage Rd (Belmark-Briarwood)	Swale/Ravine	7/26/2021	A. Hummel	Public/ Private	0	0	N/A	N/A		
FE190A	Optimist Park (17-09)	Pond	7/8/2021	A. Hummel	Public	2	0	N/A	N/A		
FW280B	500 Fortune Ave (East vertical)	Pond	6/15/2021	A. Hummel	Public/ Private	2	2	N/A	N/A	Inspected and all issues were fixed as of October 2021.	Inlet & Outlet separation. Letter sent 6/17 to property owner to fix issues
FE260A	Greenleaf Rd - North of Belmark	Pond	7/13/2021	A. Hummel	Public	1	0	N/A	N/A		
FE260B	1300 Enterprise Dr (Behind PAi)	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Public	1	0	N/A	N/A		
FE260B	Greenleaf Rd - Fox River Trail	Pond	7/13/2021	A. Hummel	Public	0	0	N/A	N/A		

FE280A	Oak Water Ct	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Public	2	0	N/A	N/A		
FE280A	Old Plank Ct	Swale/Ravine	7/26/2021	A. Hummel/M. McVey	Public	2	0	N/A	N/A		
FE280B	Greenleaf-Rockland Rd	Pond	7/26/2021	A. Hummel	Public	0	0	N/A	N/A		
FE290A	Commerce Pond (16-09 Pond and Drainage Construction)	Pond	7/13/2021	A. Hummel	Public	3	0	N/A	N/A		
FW010A	Perkofsky Boat Landing/Brown County Fair Grounds	Pond	7/13/2021	A. Hummel	Public	3	1	N/A	N/A		
FW200D	1997 Venture Ave (WI Lift Truck Co. - West)	Pond	8/17/2021	A. Hummel	Public/ Private	0	0	N/A	N/A		
FW200B	Scheuring Rd - Suburban Dr	Pond	6/8/2021	A. Hummel	Public	3	1	N/A	N/A		Sticks & debris blocking outlet
FW200C	Double Dry Matthew - Suburban Dr	Dry Detention	6/8/2021	A. Hummel	Public	1	0	N/A	N/A		
FW200E	Terry Ln - Mobile Home Park	Swale/Ravine	8/18/2021	A. Hummel	Public	1	1	N/A	N/A		
FW280B	500 Fortune Ave (Old Ecofibre)	Swale/Ravine	7/13/2021	A. Hummel	Private	0	0	N/A	N/A		
FW280A	Fortune - Venture	Pond	7/13/2021	A. Hummel	Public	0	0	N/A	N/A		
FW280A	Red Maple - Lost Daupin	Swale/Ravine	8/18/2021	A. Hummel	Public	1	0	N/A	N/A		
FW290A	1414 Builders Ct.	Pond	7/20/2021	A. Hummel	Public	2	0	N/A	N/A		
FW290B	Glen Meadows Cir (Kiwanis Park)	Pond	No longer exists	?	Public	?	?	N/A	N/A		
FW290B	Hopf Ln	Pond	7/20/2021	A. Hummel	Public	0	0	N/A	N/A		
FW290B	Red Maple (River Trail Ct)	Pond	7/20/2021	A. Hummel	Public	2	0	N/A	N/A		
FW290C	Dog Park	Pond	7/20/2021	A. Hummel	Public	0	1	N/A	N/A		endwall separation
FW290C	Dog Park West Swale	Swale/Ravine	7/20/2021	A. Hummel	Public	0	0	N/A	N/A		
FW290C	Richco Ct Swale	Swale/Ravine	8/18/2021	A. Hummel	Public	1	0	N/A	N/A		
FW290C	Richco Ct.	Pond	7/20/2021	A. Hummel	Public	0	0	N/A	N/A		
FW200D	1997 Venture Ave [WI Lift Truck Co. Warehouse (East)]	Pond	7/13/2021	A. Hummel	Public/ Private	0	0	N/A	N/A		
XA100A	2066 Lawrence Dr (St Mark Lutheran - Large SW pond)	Pond	8/16/2021	A. Hummel	Private	0	0	N/A	N/A		
FW200D	1998 Venture Ave	Pond	7/13/2021	A. Hummel	Public/ Private	1	0	N/A	N/A		
XA100A	2066 Lawrence Dr (St Mark Lutheran - Small N pond)	Pond	8/16/2021	A. Hummel	Private	0	0	N/A	N/A		
FE030A	1015 N Broadway	Pond	8/17/2021	A. Hummel	Private	1	0	N/A	N/A		
AC100A	Garrity's Glen	Pond	7/13/2021	A. Hummel	Public	0	0	N/A	N/A		
AC050B	West De Pere Middle School	Pond	8/17/2021	A. Hummel	Private	0	0	N/A	N/A		
ER040A	East De Pere High School	Pond	8/17/2021	A. Hummel	Private	0	0	N/A	N/A		
ER050A	Shetland Pl	Swale/Ravine	8/13/2021	A. Hummel	Public	2	1	N/A	N/A		Clear vegetation by pipe and add endwall

CITY OF DE PERE
2021 Map Updates
2021 MS4 Annual Report
Last Update - March 3, 2022

Basin	Type of Change	2021 Map Change - City
AC70	Pond Ownership	Removed pond shown as City pond because it is a private pond owned and maintained by Walmart.
FE030, FE050, FE070, FE110	Basin Change and Storm sewer	Modified basins due to storm sewer design. Upsized and added storm sewer.
FW280	Pond Ownership	Added a pond that was previously private. The pond treats City storm water and the City obtained easement rights to operate and maintain.



2021 Basin Updates
Page 2021_1

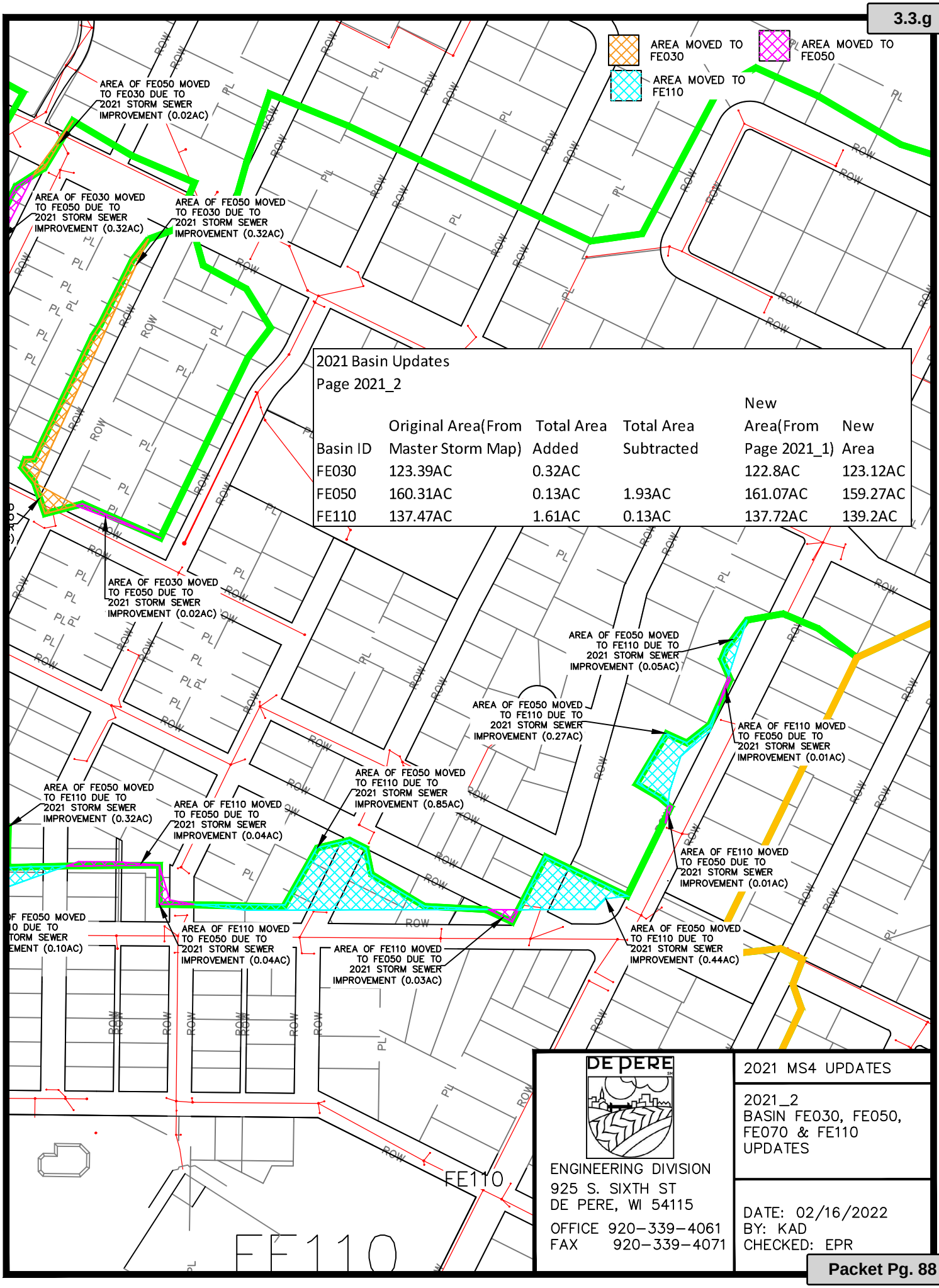
Basin ID	Original Area(From Master Storm Map)	Total Area Added	Total Area Subtracted	New Area
FE030	123.39AC	0.18AC	0.77AC	122.8AC
FE050	160.31AC	1.77AC	1.01AC	161.07AC
FE070	39.76AC	0.18AC	0.60AC	39.34AC
FE110	137.47AC	0.70AC	0.45AC	137.72AC

DE PERE
ENGINEERING DIVISION
925 S. SIXTH ST
DE PERE, WI 54115
OFFICE 920-339-4061
FAX 920-339-4071

2021 MS4 UPDATES

2021_1
BASIN FE030, FE050, FE070 & FE110 UPDATES

DATE: 02/16/2022
BY: KAD
CHECKED: EPR



2021 Basin Updates
Page 2021_2

Basin ID	Original Area(From Master Storm Map)	Total Area Added	Total Area Subtracted	New Area(From Page 2021_1)	New Area
FE030	123.39AC	0.32AC		122.8AC	123.12AC
FE050	160.31AC	0.13AC	1.93AC	161.07AC	159.27AC
FE110	137.47AC	1.61AC	0.13AC	137.72AC	139.2AC

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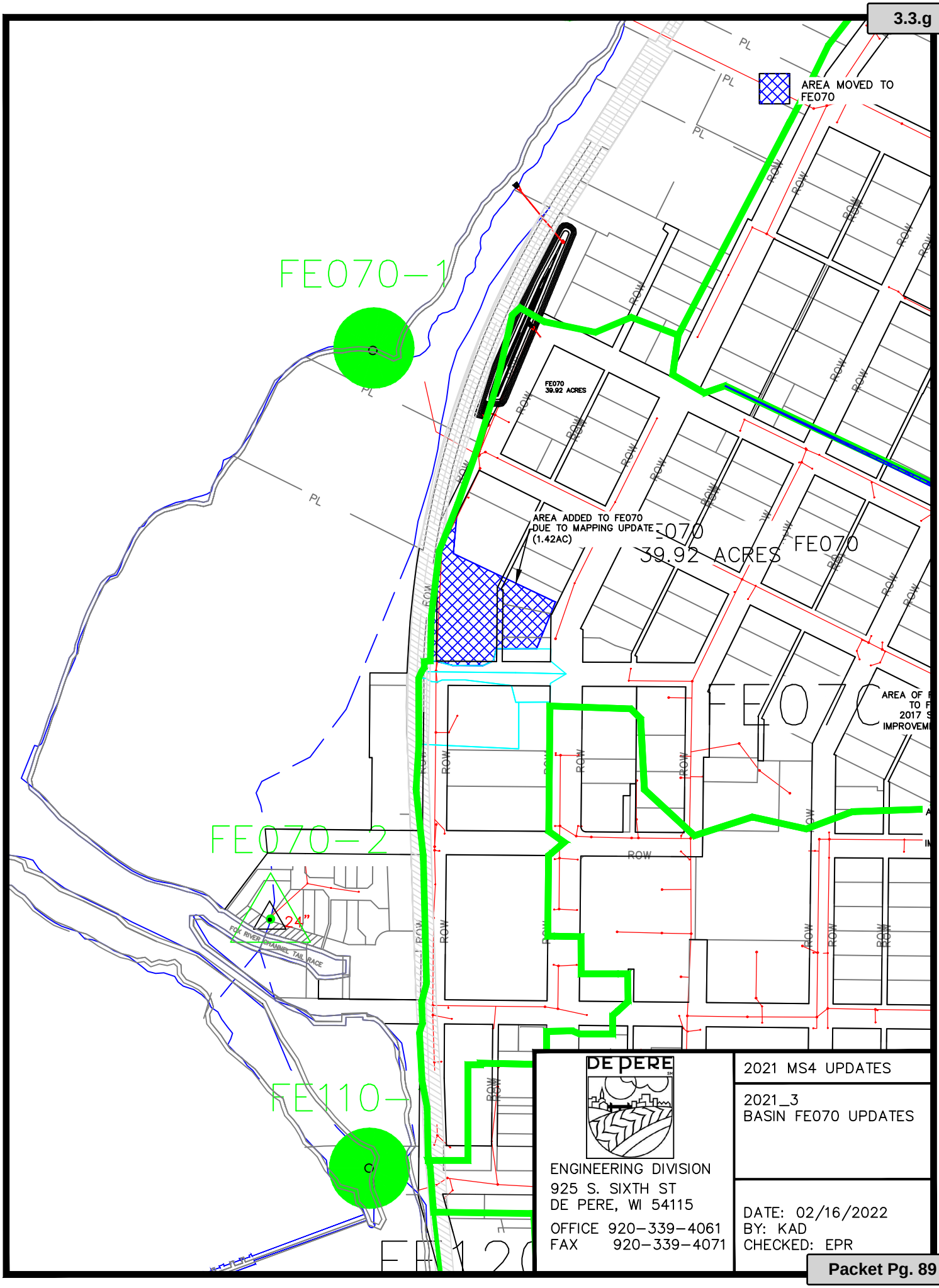
2021 MS4 UPDATES

2021_2
BASIN FE030, FE050, FE070 & FE110 UPDATES

DATE: 02/16/2022
BY: KAD
CHECKED: EPR



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OFFICE 920-339-4061
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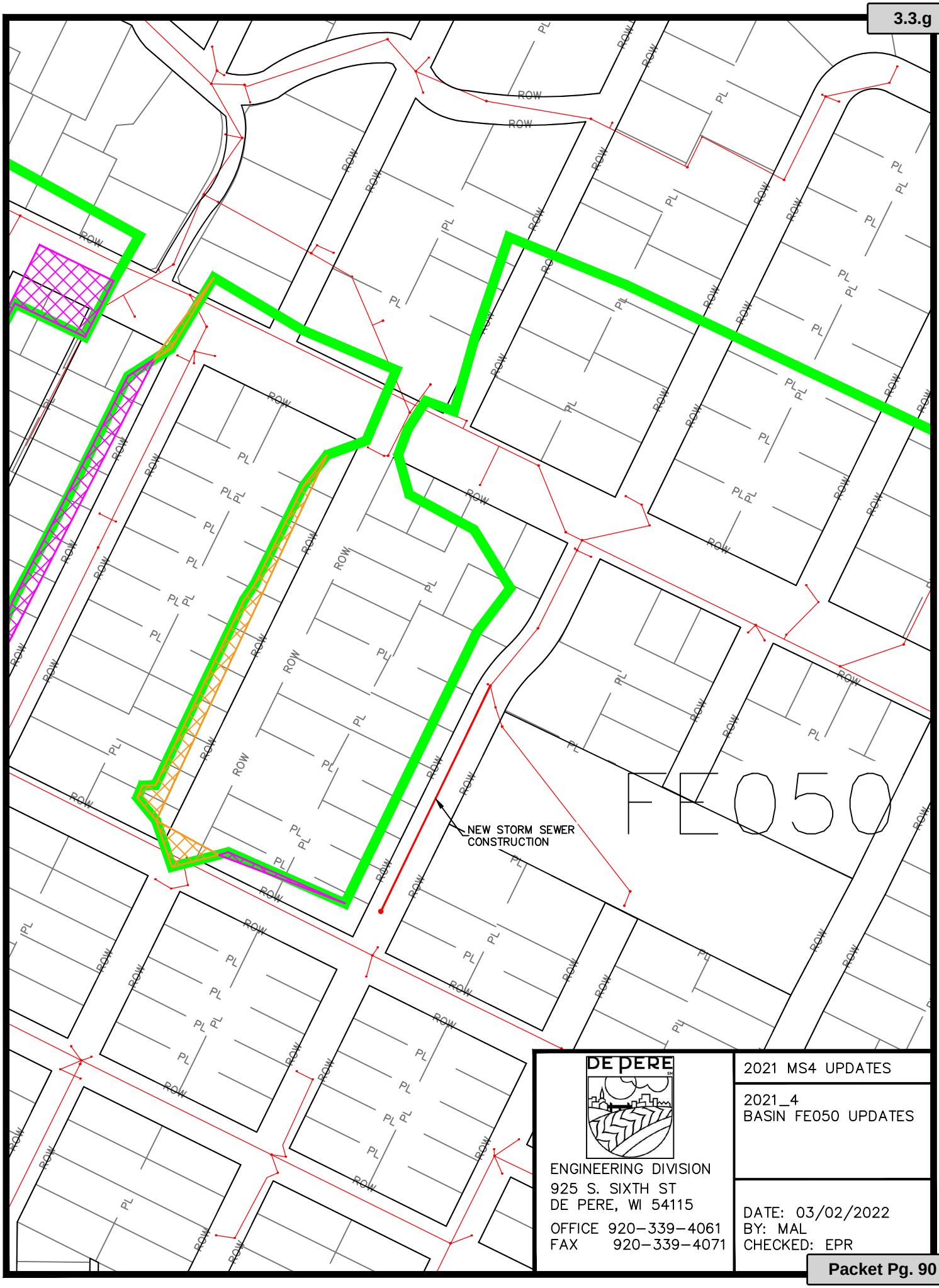
2021 MS4 UPDATES

2021_3
BASIN FE070 UPDATES

DATE: 02/16/2022
BY: KAD
CHECKED: EPR



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925 S. SIXTH ST
DE PERE, WI 54115
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2021 MS4 UPDATES

2021_4
BASIN FE050 UPDATES

DATE: 03/02/2022
BY: MAL
CHECKED: EPR

AC020
10.7 Acres
AC010
8.9 Acres
FE010
5.2 Acres
FW010
25 Acres
FW015
8.9 Acres
FE010
59.4 Acres
FE030
123.6 Acres
FE070
39.8 Acres
FE050
160.3 Acres
1.8 Acres
FE120
2.8 Acres
FE130
34 Acres
FE110
137.5 Acres
9
FW130
4.5 Acres
FW120
13.1 Acres
FW110
63.6 Acres
FE170
3.5 Acres
FW140
3.6 Acres
FW150
2.7 Acres
FE170
2.8 Acres
FE160
44.6 Acres
FE150
127.3 Acres
FE210
30.4 Acres
FE190
88.4 Acres
ER040
140.1 Acres
ER050
219.3 Acres
ER010
241 Acres
ER030
289.3 Acres
FE230
13.2 Acres
FE240
65.8 Acres
FE240
65.8 Acres

MS4 Drainage System

- City Swales
- Minor Outfalls
- Major Outfalls
- Storm Manhole
- Storm End Wall
- Storm Catch Basin
- Collectors

Publically Owned Land

- De Pere Recreational Areas
- De Pere Municipal Facilities

Natural Resources

- 303(d) Impaired Waters
- City Pond
- Private Storm Water Facilities
- WDNR Wetland Inventory (Less Than 2 Acres)
- WDNR Wetland Inventory (2 Acres or Greater)

WPDES Industrial Permits

- WPDES Industrial Permit I.D.

Other Mapped Features

- Municipal Boundary
- Parcel Lines

TMDL Watershed Basins

- Fox East Basins
- East River Basins
- Fox West Basins
- Ashwaubenon Creek Basins

1 inch = 500 feet

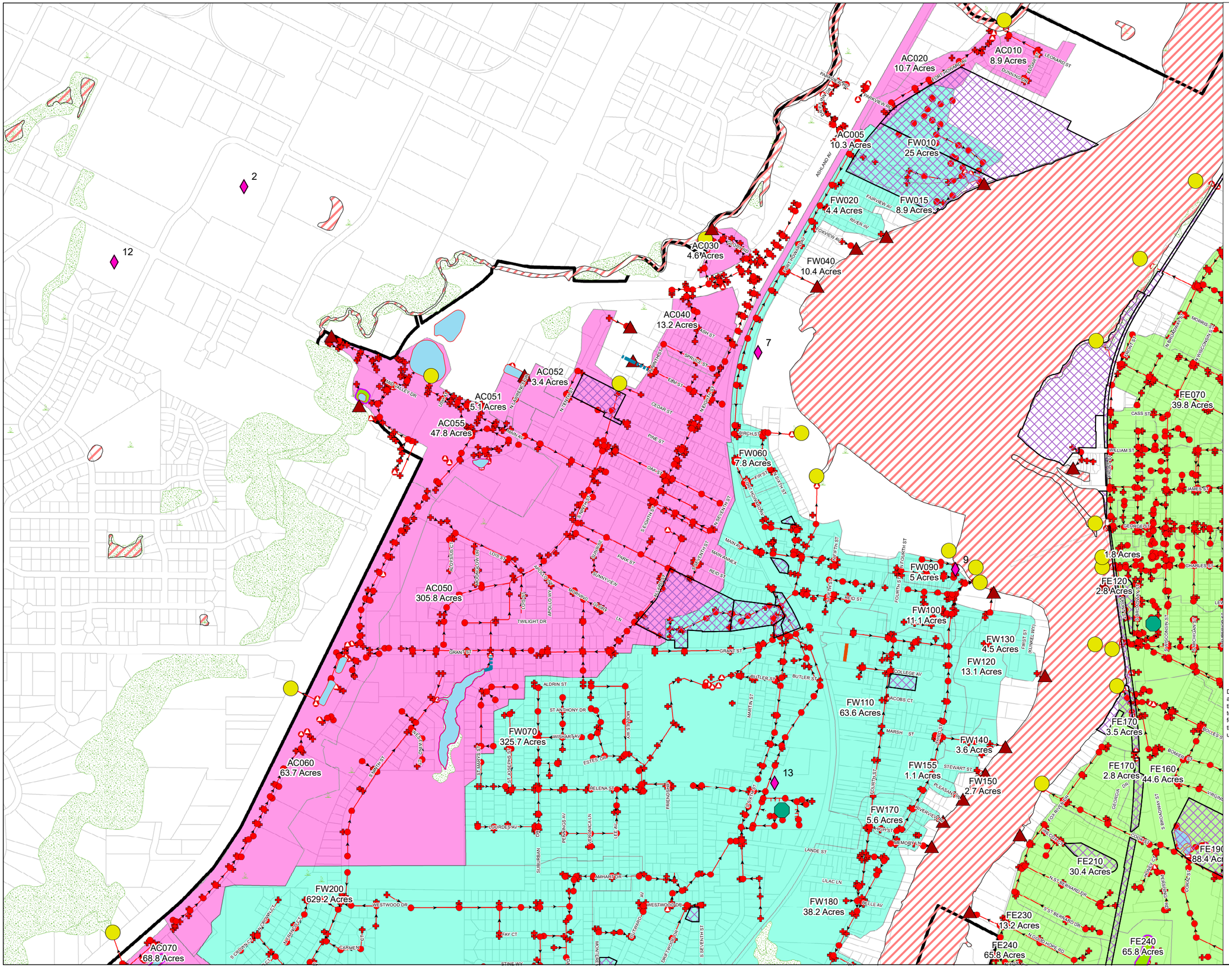
N
W E
S

Disclaimer: The property lines, right-of-way lines, and other property information on this drawing are developed or obtained as part of the County Geographic Information System or through the County property tax mapping function. The City of De Pere does not guarantee this information to be correct, current or complete. The property and right-of-way information are only intended for use as a general reference and are not intended or suitable for site-specific use. Any use to the contrary of the above stated uses is the responsibility of the user and such use is at the user's own risk.

DE PERE

MS4 SYSTEM UPDATED 11/2021

STORM SEWER MANAGEMENT PLAN
CITY OF DE PERE
BROWN COUNTY, WI



MS4 Drainage System

- Minor Outfalls
- Major Outfalls
- Storm Manhole
- Storm End Wall
- Storm Catch Basin
- Collectors
- City Swales
- Private Swales

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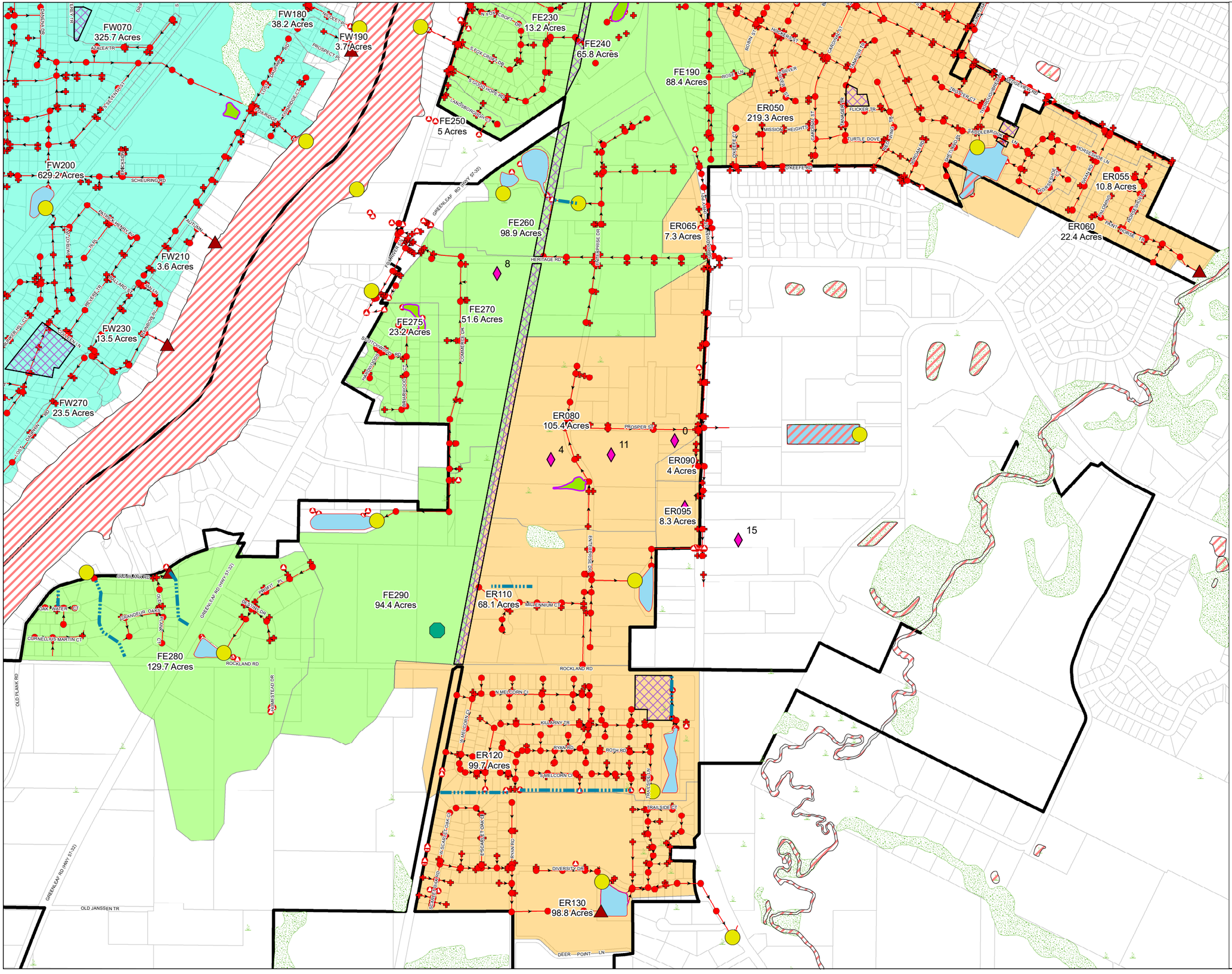
DE PERE

MS4 SYSTEM UPDATED 10/2021

STORM SEWER MANAGEMENT PLAN
CITY OF DE PERE
BROWN COUNTY, WI



MS4 Drainage System

- Minor Outfalls
- Major Outfalls
- Storm Manhole
- Storm End Wall
- Storm Catch Basin
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- Fox West Basins
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1 inch = 500 feet

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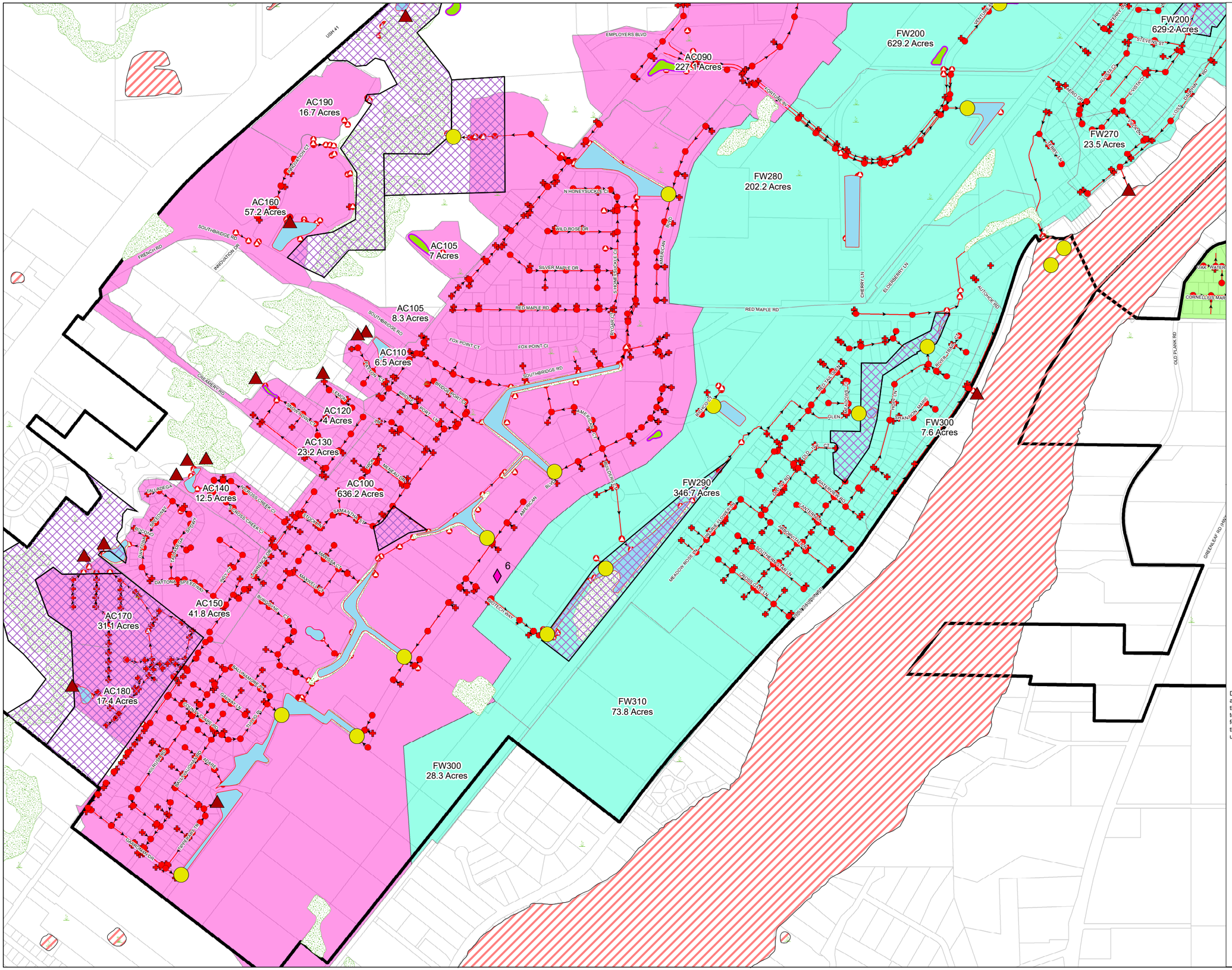
DE PERE SM

MS4 SYSTEM UPDATED 10/2021

STORM SEWER MANAGEMENT PLAN
CITY OF DE PERE
BROWN COUNTY, WI



MS4 Drainage System

- City Swales
- Minor Outfalls
- Major Outfalls
- Storm Manhole
- Storm End Wall
- Storm Catch Basin
- Collectors

Publically Owned Land

- De Pere Recreational Areas
- De Pere Municipal Facilities

Natural Resources

- 303(d) Impaired Waters
- City Pond
- Private Storm Water Facilities
- WDNR Wetland Inventory (Less Than 2 Acres)
- WDNR Wetland Inventory (2 Acres or Greater)

WPDES Industrial Permits

- WPDES Industrial Permit I.D.

Other Mapped Features

- Municipal Boundary
- Parcel Lines

TMDL Watershed Basins

- Fox East Basins
- East River Basins
- Fox West Basins
- Ashwaubenon Creek Basins

1 inch = 500 feet

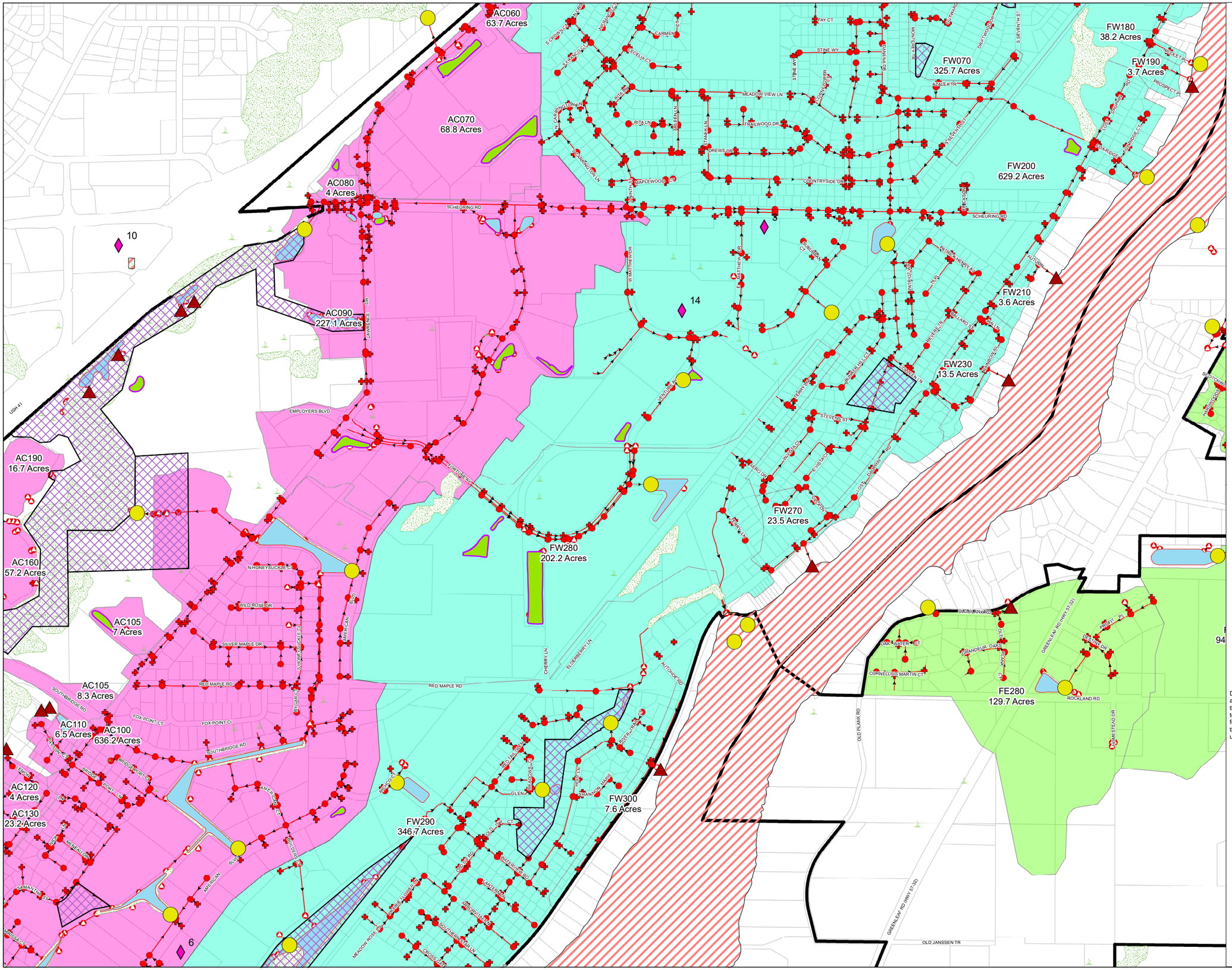
N
W E
S

Disclaimer: The property lines, right-of-way lines, and other property information on this drawing are developed or obtained as part of the County Geographic Information System or through the County property tax mapping function. The City of De Pere does not guarantee this information to be correct, current or complete. The property and right-of-way information are only intended for use as a general referance and are not intended or suitable for site-specific use. Any use to the contrary of the above stated uses is the responsibility of the user and such use is at the user's own risk.

DE PERE

MS4 SYSTEM
UPDATED 11/2021

STORM SEWER MANAGEMENT PLAN
CITY OF DE PERE
BROWN COUNTY, WI



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DE PERE SM

MS4 SYSTEM UPDATED 03/2022

STORM SEWER MANAGEMENT PLAN
CITY OF DE PERE
BROWN COUNTY, WI

CITY OF DE PERE OUTFALLS FOR 2021

ASHWAUBENON CREEK BASIN

Outfall #	Subbasin #	Pipe Size (Inches)	Type of Outfall
AC010-1	AC010	18	Major
AC070-1	AC070	36	Major
AC100-1	AC100	18	Major
AC041-2	AC160	21	Major
AC030-1	AC030	36	Major
AC050-3	AC050	66	Major
AC055-1	AC055	42	Major
AC060-1	AC060	36	Major
AC090-1	AC090	54	Major
AC100-4	AC100	36	Major
AC100-3	AC100	48	Major
AC100-2	AC100	36	Major
AC100-5	AC100	36	Major
AC100-6	AC100	36	Major
AC100-7	AC100	36	Major
AC100-9	AC100	36	Major
AC055-1	AC055	42	Major
AC050-1	AC050	18	Minor
AC050-2	AC050	24	Minor
AC050-3	AC050	66	Minor
AC055-2	AC055	24	Minor
AC030-2	AC030	15	Minor
AC055-3	AC055	24	Minor
AC055-4	AC055	24	Minor
AC180-1	AC180	21	Minor
AC041-1*	AC41	21	Minor
AC041-2*	AC41	21	Minor
AC041-3*	AC41	21	Minor
AC041-4*	AC41	21	Minor
AC100-8	AC100	15	Minor
AC110-1	AC110	8	Minor
AC110-2	AC110	10	Minor
AC120-1	AC120	15	Minor
AC130-1	AC130	12	Minor
AC140-1	AC140	8	Minor
AC140-2	AC140	8	Minor
AC140-3	AC140	12	Minor
AC150-1	AC150	10	Minor
AC170-1	AC170	12	Minor

*Ashwaubenon Creek Ponds

EAST RIVER BASIN

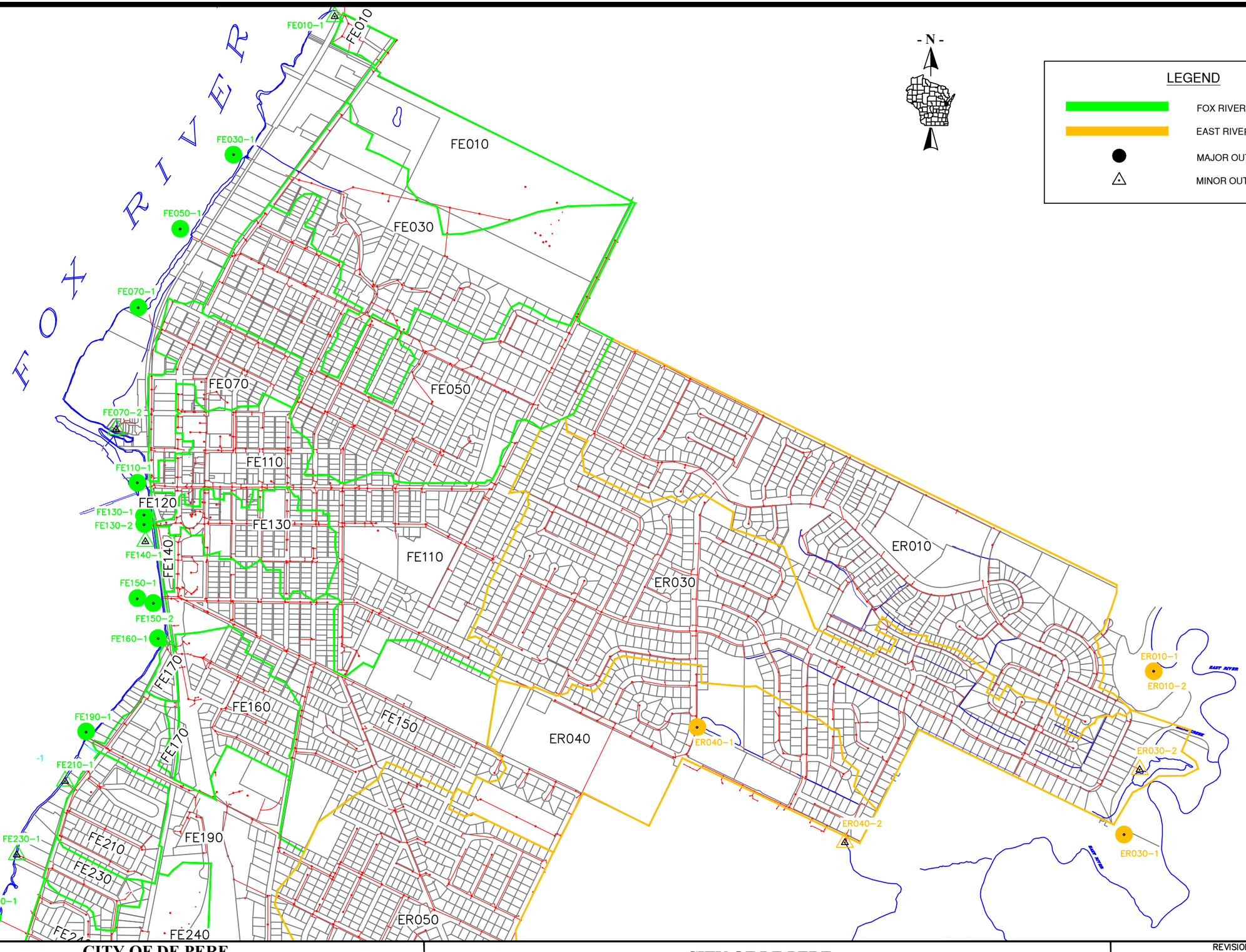
ER010-1	ER010	42	Major
ER010-2	ER010	42	Major
ER030-1	ER030	60	Major
ER080-1	ER080	24	Major
ER040-1	ER040	34X53	Major
ER050-1	ER050	42	Major
ER110-1	ER110	42	Major
ER120-1	ER120	42	Major
ER120-2	ER120	36	Major
ER130-1	ER130	42	Major
ER130-2	ER130	36	Major
ER130-3	ER130	30	Minor
ER040-2	ER040	30	Minor
ER030-2	ER030	21	Minor
ER060-1	ER060	21	Minor

FOX RIVER WEST BASIN

Outfall #	Subbasin #	Pipe Size (Inches)	Type of Outfall
FW060-1	FW060	18	Major
FW070-1	FW070	60X87	Major
FW090-1	FW090	18	Major
FW100-1	FW100	30	Major
FW100-2	FW100	42	Major
FW180-1	FW180	60	Major
FW200-1	FW200	72	Major
FW280-1	FW280	72	Major
FW290A-1	FW290A	72	Major
FW200-2	FW200	42	Major
FW200-3	FW200	36	Major
FW200-4	FW200	30	Major
FW280-2	FW280	42	Major
FW290-1	FW290	52	Major
FW290-2	FW290	54	Major
FW290-3	FW290	42	Major
FW290-4	FW290	42	Major
FW290-5	FW290	36	Major
FW020-1	FW020	12	Minor
FW155-1	FW155	8	Minor
FW160-1	FW160	8	Minor
FW010-1	FW010	24	Minor
FW040A-1	FW040A	15	Minor
FW040A-2	FW040A	18	Minor
FW120-1	FW120	16	Minor
FW130-1	FW130	16	Minor
FW140-1	FW140	12	Minor
FW150-1	FW150	12	Minor
FW170-1	FW170	12	Minor
FW190A-1	FW190A	8	Minor
FW210-1	FW210	12	Minor
FW230-1	FW230	21	Minor
FW270-1	FW270	24	Minor
FW300-1	FW300	18	Minor

FOX RIVER EAST BASIN

FE030-1	FE030	72	Major
FE050-1	FE050	65x40	Major
FE070-1	FE070	36	Major
FE110-1	FE110	38x60	Major
FE130A-1	FE130A	24x38	Major
FE130A-2	FE130A	24x38	Major
FE150-1	FE150	30	Major
FE150-2	FE150	42	Major
FE160-1	FE160	42	Major
FE190-1	FE190	24	Major
FE240-1	FE240	24	Major
FE270-1	FE270	60	Major
FE270-2	FE270	48	Major
FE280-2	FE280	48	Major
FE280-3	FE280	42	Major
FE260-1	FE260	36	Major
FE260-2	FE260	42	Major
FE290-1	FE290	42	Major
FE280-1	FE280	12	Minor
FE010-1	FE010	30	Minor
FE070-2	FE070	24	Minor
FE140-1	FE140	24	Minor
FE210-1	FE210	24	Minor
FE230-1	FE230	21	Minor



CITY OF DE PERE

ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115
OFFICE 920-339-4061 FAX 920-339-4071

CITY OF DE PERE
MAJOR & MINOR OUTFALLS NE REGION

REVISIONS / ISSUES

NO.	DATE	BY	REMARKS
1	03-2020	KAD	MAJOR AND MINOR OUTFALLS UPDATED
2	03-2021	KAD	MAJOR AND MINOR OUTFALLS UPDATED

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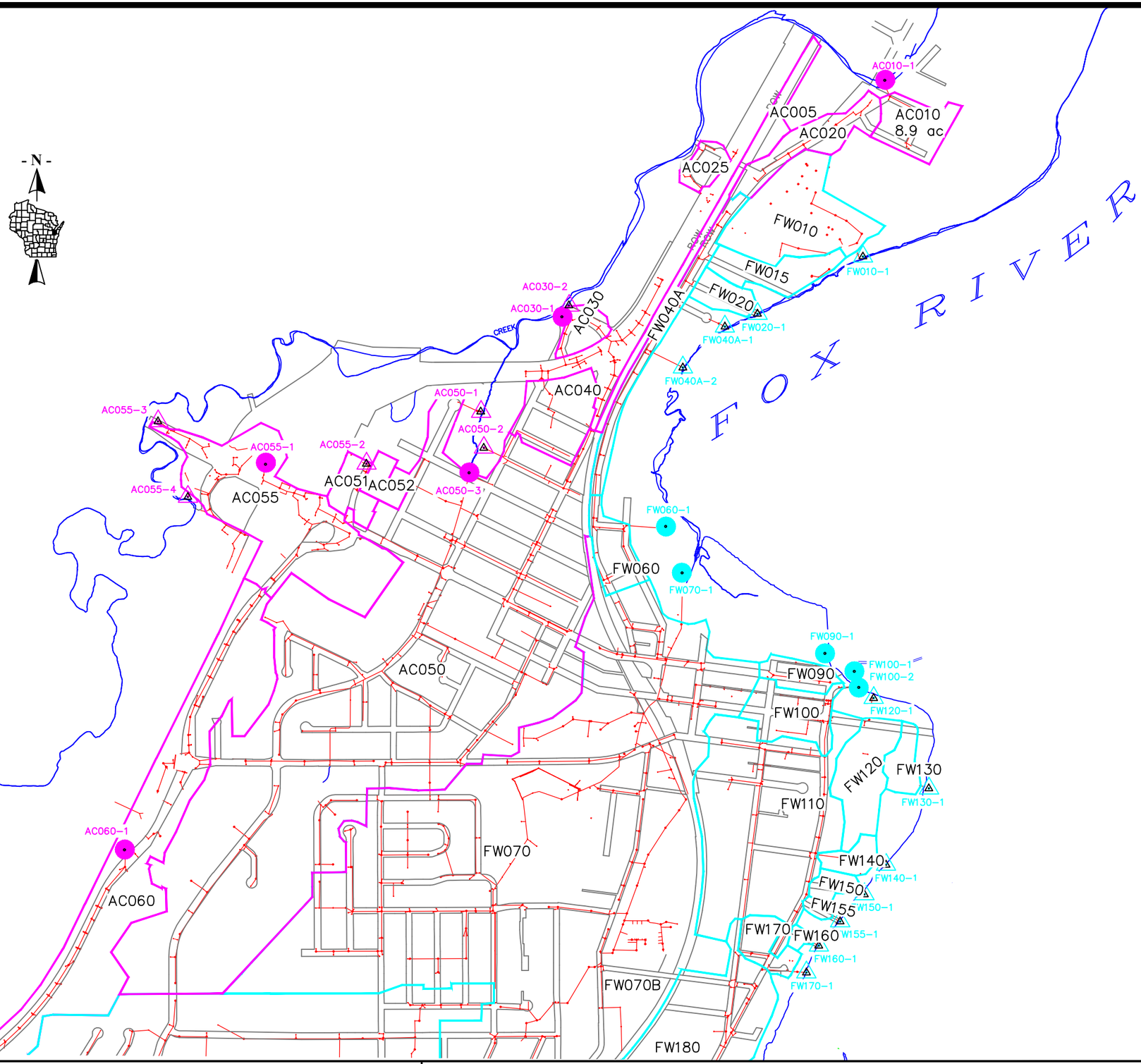

LEGEND

- FOX RIVER WEST BASIN
- ASHWAUBEON CREEK BASIN
- MAJOR OUTFALL
- MINOR OUTFALL

DE PERE

CITY OF DE PERE

ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115
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CITY OF DE PERE
MAJOR & MINOR OUTFALLS NW REGION

REVISIONS / ISSUES

NO.	DATE	BY	REMARKS
1	03-2020	KAD	MAJOR AND MINOR OUTFALLS UPDATED
2	02-2021	KAD	MAJOR AND MINOR OUTFALLS UPDATED

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FOX RIVER

FE240
FE250
FE260
FE260–1
FE260–2
FE270–1
FE270–2
FE275
FE270
FE280
FE280–1
FE280–2
FE280–3
FE290
FE290–1
ER050–1
ER055
ER060
ER060–1
ER065
ER080
ER080–1
ER090
ER095
ER110
ER110–1
ER120
ER120–1
ER120–2
ER130
ER130–1
ER130–2
ER130–3
ROW

- N -

LEGEND

- FOX RIVER EAST BASIN
- EAST RIVER BASIN
- MAJOR OUTFALL
- MINOR OUTFALL

DE PERE

CITY OF DE PERE

ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115
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CITY OF DE PERE
MAJOR & MINOR OUTFALLS SE REGION

REVISIONS / ISSUES

NO.	DATE	BY	REMARKS
1	03–2020	KAD	MAJOR AND MINOR OUTFALLS UPDATED
2	03–2021	KAD	MAJOR AND MINOR OUTFALLS UPDATED

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- N -

AC070–1
AC070
AC080
PL
FW200
FW180–1
FW190A
FW190A–1
FW200–1
AC090–1
FW200–2
AC090
AC041–2
AC041–3
AC041–1
FW200–3
FW210
FW210–1
AC041–4
FW200
FW200–4
FW230
FW230–1
FW270
AC100–1
FW280–2
FW280
AC100–4
FW270–1
AC160
AC160–1
AC105
AC100
FW280–1
FW290
FW290A–1
AC105
AC110–1
AC110–2
AC130–1
AC120–1
AC110
AC120
FW290–1
AC130
FW290–3
FW290–2
FW300–1
FW300
AC140–2
AC140–1
AC140–3
AC100–3
AC140
AC150–1
AC100–2
AC170–1
AC150
FW290–4
FW290

FOX RIVER

LEGEND

- FOX RIVER WEST BASIN
- ASHWAUBEON CREEK BASIN
- MAJOR OUTFALL
- MINOR OUTFALL

DE PERE

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CITY OF DE PERE
MAJOR & MINOR OUTFALLS SW REGION

REVISIONS / ISSUES

NO.	DATE	BY	REMARKS
1	03–2020	KAD	MAJOR AND MINOR OUTFALLS UPDATED
2	03–2021	KAD	MAJOR AND MINOR OUTFALLS UPDATED

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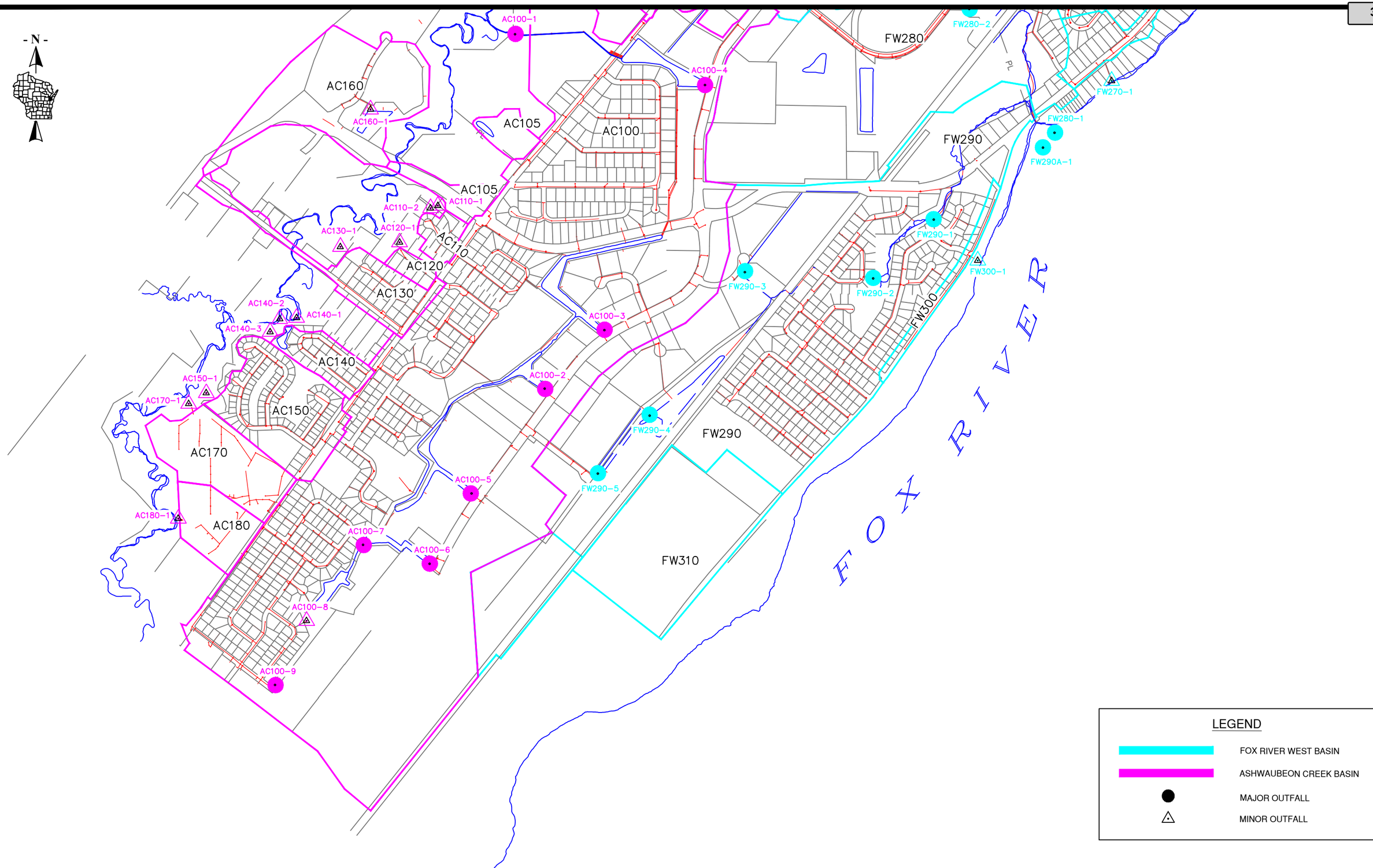

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MAJOR & MINOR OUTFALLS SW REGION

REVISIONS / ISSUES

NO.	DATE	BY	REMARKS
1	03-2020	KAD	MAJOR AND MINOR OUTFALLS UPDATED
2	02-2021	KAD	MAJOR AND MINOR OUTFALLS UPDATED

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ASHWAUBENON CREEK - CITY OF DE PERE, WI
Modifications/Upgrades for TSS Reduction
2021 MS4 Annual Report
Last Update - March 4, 2022

Modifications/Upgrades to Existing Basins

	Beginning of Year Totals (Carry to Next Year) (See Note 2)						Calender Year 2021 Modifications						End of Year Totals (Carry to Next Year) (See Note 2)					
Basin	Area (acres) (Note 2)	Total Suspended Solids No Controls (lbs/acre/yr)	Total Suspended Solids No Controls (lbs/yr) (Note 2)	Total Suspended Solids With Controls (lbs/yr) (Note 2)	Percent TSS Reduction (Note 2)	TSS Reduction	Area Modifications (acres)	Total Suspended Solids No Controls - New Treatment Area (lbs/yr)	Modeled Percent TSS Reduction	Total Suspended Solids Reduction (lbs/year)	Additional Suspended Solids Reduction (lbs/year)	Comment - 2021 Changes	Area (acres) (Note 2)	Total Suspended Solids No Controls (lbs/yr) (Note 2)	Total Suspended Solids With Controls (lbs/yr) (Note 2)	Percent TSS Reduction (Note 2)	TSS Reduction	Comment for Next Year
AC005	16.119	477	7,694	7,559	1.8%	135							16.119	7,694	7,559	1.8%	135	
AC010	8.923	265	2,361	2,037	13.7%	324							8.923	2,361	2,037	13.7%	324	
AC020	10.718	326	3,495	3,022	13.5%	473							10.718	3,495	3,022	13.5%	473	
AC025	3.4	488	1,659	1,445	12.9%	214							3.4	1,659	1,445	12.9%	214	
AC030	4.6	488	2,247	1,956	12.9%	291							4.6	2,247	1,956	12.9%	291	
AC040	13.183	310	4,089	3,403	16.8%	686							13.183	4,089	3,403	16.8%	686	
AC050	299.958	288	86,388	54,252	37.2%	32,136							299.96	86,388	54,252	37.2%	32,136	
AC051	5.13	288	1,477	241	80.6%	1,237							5.13	1,477	241	80.6%	1,237	
AC052	3.38	0	0			0							3.38	0			0	
AC055	24.34	502	12,225	3,738	69.4%	8,487							24.34	12,225	3,738	69.4%	8,487	
AC060	50.506	489	24,719	8,133	67.1%	16,587							50.506	24,719	8,133	67.1%	16,587	
AC070	68.77	479	32,916	9,427	71.4%	23,489							68.77	32,916	9,427	71.4%	23,489	
AC080	3.999	502	2,009	701	65.1%	1,308							3.999	2,009	701	65.1%	1,308	
AC090	226.369	448	101,364	29,557	70.8%	71,807							226.369	101,364	29,557	70.8%	71,807	
AC100	620.065	263	163,073	32,615	80.0%	130,458							620.065	163,073	32,615	80.0%	130,458	
	15.92	263	4,187	617	85.3%	3,570							15.92	4,187	617	85.3%	3,570	
AC105	15.254	267	4,069	1,426	65.0%	2,643							15.254	4,069	1,426	65.0%	2,643	
AC110	6.497	203	1,320	254	80.7%	1,066							6.497	1,320	254	80.7%	1,066	
AC120	3.993	197	788	646	18.0%	142							3.993	788	646	18.0%	142	
AC130	23.238	235	5,466	3,112	43.1%	2,354							23.238	5,466	3,112	43.1%	2,354	
AC140	12.462	195	2,428	409	83.1%	2,019							12.462	2,428	409	83.1%	2,019	
AC150	41.82	160	6,681	1,278	80.9%	5,403							41.82	6,681	1,278	80.9%	5,403	
AC160	60.318	343	20,717	4,749	77.1%	15,968							60.318	20,717	4,749	77.1%	15,968	
AC170	68.77	479	32,916	5,946	81.9%	26,970							68.77	32,916	5,946	81.9%	26,970	
AC180	17.352	49	843	26	96.9%	817							17.352	843	26	96.9%	817	
AC190	18.64	109	2,032	248	87.8%	1,784							18.64	2,032	248	87.8%	1,784	
Total	1,625.08		527,164	176,796	66.5%	350,368							1,643.72	527,163	176,796	66.5%	350,368	

Assumptions
(1) Agricultural lands in the Lower Fox River Mainstream HUC-12 are discharging 540lbs/acre of TSS. Assume a 5% TSS reduction.
(2) Copy the values from the End of Year Totals to Beginning of Year Totals for the next calendar year. Delete extra rows at the beginning of each year. These are the rows that summarize multiple actions within a basin.

EAST RIVER - CITY OF DE PERE, WI
Modifications/Upgrades for TSS Reduction
2021 MS4 Annual Report
Last Update - March 4, 2022

Modifications/Upgrades to Existing Basins

	End of Year Totals 2020						Calender Year 2021 Modifications						End of Year Totals (Carry to Next Year) (See Note 2)					
Basin	Area (acres)	Total Suspended Solids No Controls (lbs/acre/yr)	Total Suspended Solids No Controls (lbs/yr)	Total Suspended Solids With Controls (lbs/yr)	Percent TSS Reduction	TSS Reduction	Additional Area Treated (acres)	Total Suspended Solids No Controls - New Treatment Area (lbs/yr)	Modeled Percent TSS Reduction	Total Suspended Solids Reduction (lbs/year)	Additional Suspended Solids Reduction (lbs/year)	Comment - 2021 Changes	Area (acres)	Total Suspended Solids No Controls (lbs/yr)	Total Suspended Solids With Controls (lbs/yr)	Percent TSS Reduction	TSS Reduction	Comment for Next Year
ER010	241.222	216	52,164	4,766	90.9%	47,398							241.222	52,164	4,766	90.9%	47,398	
ER030	289.329	207	59,872	18,800	68.6%	41,072							289.33	59,872	18,800	68.6%	41,072	
ER040	130.973	265	34,659	14,072	59.4%	20,587							130.973	34,659	14,072	59.4%	20,587	
ER050	208.635	209	43,577	9,412	78.4%	34,165							208.635	43,577	9,412	78.4%	34,165	
ER055	10.819	202	2,188	1,794	18.0%								10.819	2,188	1,794	18.0%		
ER060	22.444	192	4,308	1,054	75.5%	3,254							22.444	4,308	1,054	75.5%	3,254	
ER065	7.053	430	3,031	2,667	12.0%	364							7.053	3,031	2,667	12.0%	364	
ER080	105.288	470	49,455	6,182	87.5%	43,273							105.288	49,455	6,182	87.5%	43,273	
ER090	4.046	517	2,090	1,904	8.9%	186							4.046	2,090	1,904	8.9%	186	
ER095	8.325	421	3,503	3,220	8.1%	283							8.325	3,503	3,220	8.1%	283	
ER110	68.139	505	34,436	8,464	75.4%	25,972							68.139	34,436	8,464	75.4%	25,972	
ER120	96.469	234	22,578	7,534	66.6%	15,044							96.469	22,578	7,534	66.6%	15,044	
ER130	59.574	308	18,376	1,476	84.7%	16,900							59.574	18,376	1,476	84.7%	16,900	
Total	1,252.3		330,237	81,345	75.4%	248,498					0		1,252.3	330,237	81,345	75.4%	248,498	

Assumptions
(1) Agricultural lands in the Lower Fox River Mainstream HUC-12 are discharging 540lbs/acre of TSS. Assume a 5% TSS reduction.
(2) Move this End of Year Totals to Beginning of Year Totals for the next calendar year. Delete extra rows at the beginning of each year. These are the rows that summarize multiple actions within a basin.

LOWER FOX RIVER MAINSTREAM - CITY OF DE PERE, WI
Modifications/Upgrades for TSS Reduction
2021 MS4 Annual Report
Last Update -March 4, 2022

Modifications/Upgrades to Existing Basins

	End of Year Totals 2020						Calender Year 2021 Modifications						End of Year Totals 2021					
Basin	Area (acres)	Total Suspended Solids No Controls (lbs/acre/yr)	Total Suspended Solids No Controls (lbs/yr)	Total Suspended Solids With Controls (lbs/yr)	Percent TSS Reduction	TSS Reduction	Area Modifications (Acres)	Total Suspended Solids No Controls - New Treatment Area (lbs/yr)	Modeled Percent TSS Reduction	Total Suspended Solids Reduction (lbs/year)	Additional Suspended Solids Reduction (lbs/year)	Comment - 2021 Changes	Area (acres)	Total Suspended Solids No Controls (lbs/yr)	Total Suspended Solids With Controls (lbs/yr)	Percent TSS Reduction	TSS Reduction	Comment for Next Year
FE010	64.606	273	17,624	15,498	12.10%	2,126							64.606	17,624	15,498	12.10%	2,126	
FE030	123.561	232	28,665	24,522	14.50%	4,143	(0.44)					Minor basin modifications to FE030, FE050, FE070, FE110	123.12	28,563	24,522	14.50%	4,041	
FE050	160.386	214	34,294	28,086	18.10%	6,208	(1.12)					Minor basin modifications to FE030, FE050, FE070, FE110	159.27	34,055	27,891	18.10%	6,164	
FE070	39.676	271	10,737	8,772	18.30%	1,965	1.08					Minor basin modifications to FE030, FE050, FE070, FE110	40.76	11,031	9,012	18.30%	2,019	
FE110	135.322	242	32,721	27,256	16.70%	5,465	3.88					Minor basin modifications to FE030, FE050, FE070, FE110	139.2	33,658	28,037	16.70%	5,621	
FE120	1.82	387	704	580	17.60%	124							1.82	704	580.096	17.60%	124	
FE130	36.029	284	10,243	8,481	17.20%	1,762							36.029	10,243	8,481	17.20%	1,762	
FE140	2.789	139	388	347	10.50%	41							2.789	388	347.26	10.50%	41	
FE150	127.311	268	34,093	28,808	15.50%	5,285							127.311	34,093	28,808	15.50%	5,284	
FE160	42.629	215	9,165	7,735	15.60%	1,430							42.629	9,165	7,735	15.60%	1,430	
FE170	6.249	166	1,040	878	15.60%	162							6.249	1,040	878	15.60%	162	
FE190	17.59	835	14,679	12,372	15.70%	2,307							17.59	14,679	12,372	15.70%	2,307	
	51.87	250	12,968	1504	88.40%	11,463							51.87	12,968	1504	88.40%	11,463	
FE210	30.413	195	5,937	4,929	17.00%	1,008							30.413	5,937	4,929	17.00%	1,008	
FE230	13.221	214	2,830	2,353	16.80%	477							13.221	2,830	2,353	16.80%	477	
FE240	56.309	246	13,866	9,707	30.00%	4,159							56.309	13,866	9,707	30.00%	4,159	
FE250	4.965	201	997	816	18.10%	181							4.965	997	816	18.10%	181	
FE260	104.219	416	43,355	8,671	80.00%	34,684							104.219	43,355	8,671	80.00%	34,684	
FE270	42.165	457	19,269	19,268	8.20%	1							42.165	19,269	19,268	8.20%	1	
														0				
FE275	23.216	291	6,761	1,256	81.40%	5,505							23.216	6,761	1,256	81.40%	5,505	
FE280	127.272	257	32,694	19,865	39.20%	12,829							127.272	32,694	19,865	39.20%	12,829	
FE290	37.108	346	12,839	1618	87.40%	11,222							37.108	12,839	1618	87.40%	11,222	
	58.21	540	31,433	3961	87.40%	27,473							58.21	31,433	3961	87.40%	27,473	
FE310					5.00%									0		5.00%		
FW010	25.055	142	3,567	993	72.20%	2,574							25.055	3,567	993	72.20%	2,574	
FW015	8.853	182	1,615	1,360	15.80%	255							8.853	1,615	1,360	15.80%	255	
FW020	3.298	201	662	542	18.20%	120							3.298	662	542	18.20%	120	
FW040	10.493	426	4,468	4,217	5.60%	251							10.493	4,468	4,217	5.60%	251	
FW060	7.785	233	1,812	1,534	15.30%	278							7.785	1,812	1,534	15.30%	278	
FW070	323.861	264	85,651	73,746	13.90%	11,905							323.86	85,651	73,746	13.90%	11,906	
FW090	4.984	401	2,000	1,680	16.00%	320							4.984	2,000	1,680	16.00%	320	
FW100	11.052	376	4,156	3,439	17.20%	717							11.052	4,156	3,439	17.20%	717	
FW110	63.639	264	16,817	14,497	13.80%	2,320							63.64	16,817	14,497	13.80%	2,321	
FW120	13.135	332	4,366	3,890	10.90%	476							13.135	4,366	3,890	10.90%	476	
FW130	4.476	335	1,498	1,336	10.80%	162							4.476	1,498	1,336	10.80%	162	
FW140	3.62	335	1,211	1,080	10.80%	131							3.62	1,211	1,080	10.80%	131	
FW150	2.691	329	886	789	11.00%	97							2.691	886	789	11.00%	97	
FW155	1.111	201	223	183	18.10%	40							1.111	223	183	18.10%	40	
FW160	1.022	201	205	168	18.10%	37							1.022	205	168	18.10%	37	
FW170	5.628	218	1,226	1,008	17.80%	218							5.628	1,226	1,008	17.80%	218	
FW180	38.228	179	6,854	5,823	15.00%	1,031							38.228	6,854	5,823	15.00%	1,031	
FW190	3.672	201	737	604	18.10%	133							3.672	737	604	18.10%	133	
FW200	629.791	306	192,527	111,281	42.20%	81,246							629.791	192,527	111,281	42.20%	81,246	
FW210	3.561	201	715	585	18.10%	130							3.561	715	585	18.10%	130	
FW230	13.484	201	2,708	2,216	18.10%	492							13.484	2,708	2,216	18.10%	492	
FW270	22.826	200	4,565	3,743	18.00%	822							22.826	4,565	3,743	18.00%	822	
FW280	189.281	472	89,344	32,502	63.60%	56,842							189.281	89,344	32,502	63.60%	56,842	
	12.93	201	2,599	2,131	18.00%	468							12.93	2,599	2,131	18.00%	468	
FW290	321.329	312	100,255	38,698	61.40%	61,556							321.329	100,255	38,698	61.40%	61,556	
FW300	7.598	211	1,606	1,327	17.40%	279							7.598	1,606	1,327	17.40%	279	
FW310	92.9	0			5.00%								92.9	0		5.00%		
Total	3,133.24		909,576	546,656	39.90%	362,920	3.40				0		3,136.64	910,466	547,483	39.87%	362,983	

Assumptions
(1) Agricultural lands in the Lower Fox River Mainstream HUC-12 are discharging 540lbs/acre of TSS. Assume a 5% TSS reduction.
(2) Move this End of Year Totals to Beginning of Year Totals for the next calendar year. Delete extra rows at the beginning of each year. These are the rows that summarize multiple actions within a basin.

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2021 Annual Report

NEWSC Mission:
To facilitate efficient implementation of stormwater programs locally and regionally that will meet DNR and EPA regulatory requirements and maximize the benefit of stormwater activities to the watershed by:

- **Fostering partnerships**
- **Sharing Information**
- **Seeking Administrative Efficiency**
- **Pooling Financial Resources**

The Northeast Wisconsin Stormwater Consortium was formed in 2005 as a subsidiary of the Fox-Wolf Watershed Alliance. The consortium is a collaborative of members with leadership elected annually from within its membership.

2021 NEWSC Members:

Brown County
Calumet County
Fond du Lac County
Outagamie County
Winnebago County
City of Appleton
City of De Pere
City of Fond du Lac
City of Green Bay
City of Kaukauna
City of Manitowoc
City of Marinette
City of Menasha
City of Neenah
City of Oshkosh
City of Two Rivers
Town of Algoma
Town of Black Wolf
Town of Buchanan
Town of Clayton
Town of Fond du Lac
Town of Friendship
Town of Grand Chute
Town of Lawrence
Town of Ledgeview
Town of Neenah
Town of Scott
Town of Taycheedah
Town of Vinland
University of WI – Oshkosh
Village of Allouez
Village of Ashwaubenon
Village of Bellevue
Village of Combined Locks
Village of Eden
Village of Fox Crossing
Village of Greenville
Village of Harrison
Village of Hobart
Village of Howard
Village of Kimberly
Village of Little Chute
Village of N. Fond du Lac
Village of Sherwood
Village of Suamico
AECOM
Ayres Associates
Brown & Caldwell
Cedar Corporation
Contech Construction
County Materials
Davel Engineering
Graef, USA
Mach IV Engineering & Surveying
Martenson & Eisele
Mau & Associates
McMAHON Group
Mead & Hunt
MSA Professional Services
raSmith
Robert E. Lee Associates
Ruekert & Mielke
Westwood Professional Services

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NEWSC Resources Available to Members:
*If Members utilized these resources to provide education to their residents, elected officials or staff, members should include details of how they were used in their individual annual reports.

*For outreach efforts conducted by NEWSC that members can enter directly into their individual annual report, look for your community name in each section.

MCM #2 Public Education & Outreach
Topic #1: Illicit Discharge Detection & Elimination
The resources below were created by NEWSC and are available for NEWSC members to print and mail out to local businesses, share on social media or have available to residents by printing and displayed at the office or other public venue.
If used in the in the manner above: Delivery Mechanism would be passive.

Carpet Cleaning Flyer	http://www.renewourwaters.org/wp-content/uploads/2015/04/Professional-Carpet-Cleaning.pdf
Greenhouses, Garden Centers & Nurseries Flyer	http://www.renewourwaters.org/wp-content/uploads/2015/04/Garden-Centers.pdf
Professional Power Washing Flyer	http://www.renewourwaters.org/wp-content/uploads/2015/04/Power-washing-for-the-professional-washer.pdf
Concrete Washout Flyer	http://www.renewourwaters.org/wp-content/uploads/2015/04/Concrete-Washout.pdf
Construction Site Erosion & Sediment Control	http://www.renewourwaters.org/wp-content/uploads/2019/07/Construction-BMPs-Erosion-Sediment-Control.pdf
Dumpster Management Flyer	http://www.renewourwaters.org/wp-content/uploads/2015/04/Dumpster-Management-bilingual-pamphlet.pdf
Dumpster Management Poster	https://drive.google.com/file/d/1736Sg155_XWFND0kH4nHq1MQowgiuD8_/view?usp=sharing
Parking Lot Maintenance Flyer	http://www.renewourwaters.org/wp-content/uploads/2015/04/Parking-Lot-BMP.pdf
Winter Parking Lot Maintenance Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/11/Parking-Lot-Maintenance-Winter-BMPs.pdf

***Did you have inspectors in your community stop by businesses this year? Did they do illicit discharge inspections and meet with area businesses about illicit discharge? If so, you can record those interactions as active outreach.**

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NEWSC Active Delivery on Behalf of Members: Volunteer Event - Annual Watershed Cleanup

Fox-Wolf Watershed Alliance continues to add sites every year. If your community would like a site added for 2022, contact Kelly (Kelly@fwwa.org. Sites should have public access. Communities are asked to provide a site leader for the 1st year.

Municipality	Number of Volunteers
Allouez	78
Appleton	196
Calumet County	94
De Pere	37
Eureka	20
Fond du Lac	45
Grand Chute	9
Green Bay	179
Hortonville	17
Kaukauna	78
Ledgeview	24
Little Chute	56
Menasha	92
Neenah	52
New London	48
Oshkosh	292
Outagamie County	26
Shawano	29
Waukau	11
Waupaca	23
Winneconne	48

Totals:
Volunteers: 1,577 | Trash Bags: 873 | Tires: 26 | Electronics: 33
Plastic bags: 2,375 | Face Masks: 472 | Straws: 1,763 | Recycle bags: 151
Total Weight: 7,234 pounds

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2.1.1

Topic #2: Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing

The resources below were created by NEWSC and are available for NEWSC members to print and mail out to local businesses, share on social media or have available to residents by printing and displayed at the office or other public venue.

If used in the in the manner above: Delivery Mechanism would be passive.

Household Hazardous Waste Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Household-Hazardous-Waste.pdf
Carpet Cleaning Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/carpet-cleaning.pdf
Kids Can Help Too Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Kids-can-help-too.pdf
Good Dog, Good Owner Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Good-Dog-Good-Owner.pdf
Power Washing Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Power-Washing-Home.pdf
Fish Don't Swim in Chlorine Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Pool-Spa-Discharge.pdf
Vehicle Maintenance Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Vehicle-Maintenance.pdf
Vehicle Maintenance Webpage	http://www.renewourwaters.org/vehicle-maintenance-2/
Kids Can Help Too Webpage	http://www.renewourwaters.org/kids-can-help-too-3/
Household Hazardous Waste Webpage	http://www.renewourwaters.org/household-hazardous-waste-3/
Power Washing Webpage	http://www.renewourwaters.org/power-washing/
Fish Don't Swim in Chlorine Webpage	http://www.renewourwaters.org/pools-and-spas/
Carpet Cleaning Webpage	http://www.renewourwaters.org/carpet-cleaning-2/
Good Dog, Good Owner Webpage	http://www.renewourwaters.com/our-pets-our-waters/
Good Dog, Good Owner Infographic	http://www.renewourwaters.org/wp-content/uploads/2019/07/Good-Dog-Good-Owner-Web-Ready.png
Car Washing Infographic	http://www.renewourwaters.org/wp-content/uploads/2019/07/Car-on-GrassSM.jpg

***Did you exhibit or do any community presentations that hit on these topics? If so, you can record those interactions as active outreach.**

NEWSC Passive and Active Delivery for this topic can be found at the end of the report.

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2.1.1

Topic #3: Yard Waste Management/Pesticide and Fertilizer Application

The resources below were created by NEWSC and are available for NEWSC members to print and mail out to local businesses, share on social media or have available to residents by printing and displayed at the office or other public venue.

If used in the in the manner above: Delivery Mechanism would be passive.

Leave Your Leaves on Land Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Leave-Your-Leaves-on-Land.pdf
The Perfect Lawn Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/The-Perfect-Lawn.pdf
Perfect Landscape Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/The-Pefect-Landscape-7.9.19.pdf
Ice & Snow Control flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Leave-Your-Leaves-on-Land.pdf
Kids Can Help Too Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/Kids-can-help-too.pdf
Leave Your Leaves on Land Webpage	http://www.renewourwaters.org/leave-your-leaves-on-land/
The Perfect Lawn Webpage	http://www.renewourwaters.org/the-perfect-lawn-3/
Perfect Landscape Webpage	http://www.renewourwaters.org/the-perfect-landscape/
Ice & Snow Control Webpage	http://www.renewourwaters.org/ice-and-snow-control-3/
Kids Can Help Too Webpage	http://www.renewourwaters.org/kids-can-help-too-3/
Ice & Snow Control Infographic	http://www.renewourwaters.org/wp-content/uploads/2019/07/Ice-and-snow-removal-photo.jpg
Leave Your Leaves on Land Infographic	http://www.renewourwaters.org/wp-content/uploads/2019/07/leaf-collection.jpg
Sweep Grass Clippings Infographic	http://www.renewourwaters.org/wp-content/uploads/2019/07/grassclippingsROW.jpg

***Did you exhibit or do any community presentations that hit on these topics? If so, you can record those interactions as active outreach.**

NEWSC Passive and Active Delivery for this topic can be found at the end of this report.

2.1.1

Topic #4: Stream and Shoreline Management

The resources below were created by NEWSC and are available for NEWSC members to print and mail out to local businesses, share on social media or have available to residents by printing and displayed at the office or other public venue.

If used in the in the manner above: Delivery Mechanism would be passive.

Restore Your Shore Flyer	https://drive.google.com/file/d/1Iqu6TR_8_pEv6axAyxMWz2di_eOiR4Zo/view?usp=sharing

***Did you meet with homeowners in 2021 to educate them on streambank erosion and BMPs to reduce erosion? You can record these discussions as active outreach.**

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2.1.1
Topic #5: Residential Infiltration
The resources below were created by NEWSC and are available for NEWSC members to print and mail out to local businesses, share on social media or have available to residents by printing and displayed at the office or other public venue.
If used in the in the manner above: Delivery Mechanism would be passive.

Rain Barrel Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/04/Rain-Barrels-Handout.pdf
The Perfect Landscape Flyer	http://www.renewourwaters.org/wp-content/uploads/2019/07/The-Pefect-Landscape-7.9.19.pdf
The Perfect Landscape Webpage	http://www.renewourwaters.org/the-perfect-landscape/
Rain Barrel Webpage	http://www.renewourwaters.org/rain-barrels/
Grass Clippings Infographic	http://www.renewourwaters.org/wp-content/uploads/2019/07/grassclippingsROW.jpg

***Did you host rain barrel workshop? If so, claim active outreach for this topic.**

2.1.1
Topic #6: Construction Sites/Post Construction Stormwater Management
The resources below were created by NEWSC and are available for NEWSC members to print and mail out to local businesses, share on social media or have available to residents by printing and displayed at the office or other public venue.
If used in the in the manner above: Delivery Mechanism would be passive.

Stormwater & the Construction Industry Poster	http://www.renewourwaters.org/wp-content/uploads/2019/07/Construction-BMPs-Erosion-Sediment-Control.pdf
Erosion & Sediment Control Pocket Field Guide	https://fwwa.sharepoint.com/:b:/s/NEWSC2/EdPUnDRD7MRKv0zfhlEnpIoBchXb5kenGX0HmZR5nlhwgA?e=vTY8kg

***Did you have active discussions regarding construction site erosion control? If you used these materials or other educational materials and had meetings/trainings (even 1 on 1 meetings with builders/contractors/inspectors) then you can record that interaction as an active outreach. These training may have included the NEWSC Excal Video below.**

Excal Visual Videos on Pollution Prevention available for member checkout in 2021:

"Ground Control" – Stormwater for Construction BMPs This employee training kit is designed to show employees how erosion, sediments and other potential surface water pollutants are controlled at construction sites. The program focuses on Best Management Practices (BMPs) that are widely used at most construction sites including: silt fence, stabilized entrances/exits, drop inlet protectors and others. The program illustrates how these BMPs work and how they can fail. (14 minutes)

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Click here to preview from Excal Visual's site:
https://www.excalvisual.com/ground-control-extended-preview

BMP Master List

The purpose of the Stormwater Quality Management BMP master list is to allow MS4 and Public Works managers to easily search available stormwater and erosion control BMPs based on target pollutants, WDNR Technical Standards, and keywords. The master list provides insight into the benefits and limitations of each BMP, allowing the user to have a brief understanding of each device to help guide decision making when implementing or reviewing projects. The spreadsheet can be found on the NEWSC member resources page on newsc.org and HERE.

Model Ordinance Reference Guides Updated

NEWSC's Construction Site Erosion Control Reference Guide and Post-Construction Pollution Control Reference Guide – the companion documents to NEWSC's model ordinances – have been updated and are available for member use. The documents can be found on the NEWSC member resources page on newsc.org.

2.1.1
Topic #7: Pollution Prevention

The resources below were created by NEWSC and are available for NEWSC members to print and post by time clocks for training municipal staff.
If used in the in the manner above: Delivery Mechanism would be passive.

Fleet Maintenance	https://drive.google.com/file/d/1fIRY40S5nhHZU_7cIwGTHtDfwgLt7wbu/view?usp=sharing
Land Disturbances	https://drive.google.com/file/d/1VujZccTojAWZhjVcp4e6A9HytWjVAkGu/view?usp=sharing
Materials Storage and Spill Cleanup	https://drive.google.com/file/d/1J_2_SuMYXwmOsqdpsdIlNR_0klJ3qKMu/view?usp=sharing
Parks and Ground Maintenance	https://drive.google.com/file/d/14r436EKrJM44x_iPgioWXFrspmqbTVAq/view?usp=sharing
Soil Waste Operations	https://drive.google.com/file/d/1r2gimtAsRanIpxSCevFntWMJwI5Z5tMS/view?usp=sharing
Streets and Drainage Maintenance	https://drive.google.com/file/d/1KtikoiyMCIPVBhv5VOhYERUlrH52NFXo/view?usp=sharing

***Did you have active pollution prevention trainings? If you used these materials or other educational materials and had meetings/trainings, then you can record that interaction as an active outreach. These training may have included the NEWSC Excal Videos below.**

Excal Visual Videos on Pollution Prevention available for member checkout in 2021:

"Rain Check" - Stormwater Pollution Prevention for MS4s Regulated municipalities and other municipal separate storm sewer system (MS4) operators must prevent pollutants from entering their storm drainage	**"Storm Warnings" - Stormwater Pollution Prevention** This training kit is designed to provide general awareness training to employees and contractors about stormwater pollution prevention. It describes

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systems. One element of this requirement is preventing stormwater pollution by municipal facilities such as fleet maintenance shops, bus barns, sanitation facilities, parks and street sweeping operations. This program shows employees how to practice good housekeeping, spill response, materials management, vehicle fueling and washing and the other BMPs profiled in the "National Menu". {Program versions run between: 19 -and up to- 31 minutes) Click here to preview from Excal Visual's site: https://www.excalvisual.com/swrc-extended-preview	Best Management Practices (BMPs) that are useful and important at a wide range of regulated facilities. It covers good housekeeping and other BMPs that help protect stormwater run-off. The kit includes a template to guide the trainer through creating site specific training to use in addition to the general training in the video. (18 minutes) Click here to preview from Excal Visual's site: https://www.excalvisual.com/storm-warning-extended-preview

2.1.1
Topic #8: Green Infrastructure/Low Impact Development
NEWSC will be gathering resources for members to use going forward in 2022.

***Did you have active discussions with elected officials or developers about low impact residential design? If you had meetings/trainings or provided presentations on the topic, then you can record that interaction as an active outreach.**

2021 Workshops, Trainings, and Presentations

Outreach Plan Development Training

The NEWSC Outreach Plan development tool is available online to help NEWSC members put together an outreach plan that meets WDNR requirements and provides communities a way to track progress towards meeting requirements through the year. A folder that contains the planning template, and a few other useful resources can be found here: https://drive.google.com/drive/folders/1Hbnx7wINlA_Q0I7Kcn5fA0bbP7K9uFa7?usp=sharing

League of Wisconsin Municipalities Annual Conference Presentation

NEWSC gave a presentation about TMDL implementation at the League of Wisconsin Municipalities 2021 Annual Conference. The session had approximately 35 attendees, of which the majority were elected officials. A slideshow of the presentation is available on the NEWSC member resources page on newsc.org and HERE.

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Stormwater Pond Dredging Workshop

The Municipal Committee developed and hosted a comprehensive workshop on the process of stormwater pond dredging. The full-day hybrid workshop received approximately 45 in-person attendees and 25 virtual attendees, with more than a quarter of the attendees being from outside of the NEWSC membership region. We are working to gather recorded versions of all presentations to make available for members.

2021 NEWSC SCHOOL PRESENTATIONS

The following presentations were provided in classrooms or virtually in NEWSC communities throughout the Fox-Wolf River Basin in 2021. These lessons covered watershed basics, how we use water, water quality, stormwater runoff pollution, floodplains, water quantity issues, green infrastructure, and tips for students and parents for reducing and preventing polluted stormwater runoff. Tools used for providing this education include: EnviroScape model, Ward's Floodplain model, stormwater find-it jars, stormwater runoff plinko, and templates for designing storm drain murals.

Stormwater Topic:	Discussed?	Stormwater Topic:	Discussed?
Illicit Discharge Detection & Elimination	YES	Residential Infiltration	YES
Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing	YES	Construction sites and Post Construction Stormwater Management	YES
Yard Waste Management/Pesticide and Fertilizer Application	YES	Pollution Prevention	YES
Stream and Shoreline Management	YES	Green Infrastructure/Low Impact Development	NO

***If your community had school presentations in 2021, we recommend tying the school presentation in your annual report to a topic identified as discussed in the table above that you did not conduct outreach on in another way. These presentations are considered active outreach.**

NEWSC provides school presentation upon request by teachers. If your school district did not have presentations in 2021 and you would like NEWSC to present in your community, please reach out to your school district and share the School Presentation flyer: https://drive.google.com/file/d/1fgeOMD2Zqd5yASOiPU7GdvD6lbMhgXo7/view?usp=sharing

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Green Bay

- 02/02/2021 - virtual presentation for NEW Scholars students grades 6th-8th, approx. reach 65

De Pere

- 02/22/2021 - virtual presentation for various majors at St. Norbert College, approx. reach 18

Appleton

- 04/05/2021 - virtual presentation for Girl Scouts and parents, approx. reach 25
- 11/30/2021 – 12/01/2021 - 7 presentations for Wilson Middle School, approx. reach 160
- 12/09/2021 - presentation for Xavier High School, approx. reach 30
- 12/16/2021 - 4 presentations for Foster Elementary School, approx. reach 96 students
- 12/17/2021 - presentation for Columbus Elementary School, approx. reach 25

Kaukauna

- 04/13/2021 - presentation for Girl Scouts, approx. reach 15

Oshkosh

- 9/15/2021 - presentation for Oshkosh North High School 9th – 12th graders, approx. reach 45

Allouez

- 12/21/2021 - 2 presentations for Doty Elementary School, approx. reach 25

Basin-Wide

- 10/12/2021 - virtual presentation for Girl Scouts of the Northwestern Great Lakes, approx. reach 40

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2021 NEWSC EXHIBITING

The following exhibits were coordinated at events in NEWSC communities throughout the Fox-Wolf River Basin. These educational exhibits provided information on watershed basics, water quality, stormwater runoff pollution, floodplains, water quantity issues, green infrastructure, and tips and advice for area residents for reducing and preventing polluted stormwater runoff. Tools used for providing this education include: Ward's Floodplain model, wheel of pollution, stormwater find-it jars, stormwater runoff plinko, the digital and paper watershed pledge, and educational flyers.

Stormwater Topic:	Discussed?	Stormwater Topic:	Discussed?
Illicit Discharge Detection & Elimination	YES	Residential Infiltration	YES
Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing	YES	Construction sites and Post Construction Stormwater Management	NO
Yard Waste Management/Pesticide and Fertilizer Application	YES	Pollution Prevention	YES
Stream and Shoreline Management	YES	Green Infrastructure/Low Impact Development	NO

***If your community had exhibitions in 2021, we recommend tying the exhibiting event in your annual report to a topic identified as discussed in the table above that you did not conduct outreach on in another way. Exhibiting is considered <u>active outreach</u>.**

Town of Black Wolf

- 05/15/2021 - Household Hazardous Waste & E-recycling event, approx. reach 42

Village of Harrison

- 06/09/2021 - Kiwanis Ice Cream, approx. reach 62

City of Appleton

- 07/18/2021 - Appleton Old Card Show & Swap Meet, approx. reach 20

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Village of Bellevue

- 10/16/2021 - Trick or Treat Trail, approx. reach 1400

Town of Fond du Lac

- 10/16/2021 - Fire Department Open House, approx. reach 50

Storm Drain Makeovers (<u>Active Participation</u>)

- 05/22/2021 – **Howard**, Volunteer: Jacob Vandallwyk

Watershed Pledges (Active Participation):

Appleton – 54911
- Cindy Carter, age 50+

Appleton – 54915
- Michelle Wright, age 21-49

Cascade – 53011
- Rhonda Bohrmueller, age 50+

Chilton – 53014
- Sue Vanne, age 50+

Green Bay – 54304
- Leigha Broeren, age 21-49

Hilbert – 54129
- Judy Hartl, age 50+

Kaukauna – 54130
- Steve Bartsch, age 50+
- Tara Erickson-Bartsch, age 50+
- April Spykerman, age 21-49
- Hannah W., age 21-49

Kiel – 53042
- Josh Torrison, age 21-49

Little Chute – 54130
- Emma Bartsch, age 21-49

Neenah – 54956
- Sandy Campbell, age 21-49

Sherwood – 54109
- Jacob Meyer, age 21-49

LINK TO THE WATERSHED PLEDGE ON FWWA.ORG WEBSITE

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Community Presentations (Active Participation):

Basin-Wide
- 03/04/2021 - Fox-Wolf Watershed Conference (chloride monitoring and MS4 reporting)

Brown County
- 03/10/2021 - Volunteer Center of Brown County Workplace Volunteer Council, approx. reach 12

Basin-Wide
- 04/20/2021 - Associated Bank Lunch & Learn virtual presentation (various basin locations), approx. reach 37

Neenah
- 04/22/2021 - Volunteer Fox Cities Mini Cleanup with volunteers in Neenah, approx. reach 25

Winnebago Region
- 04/22/2021 - Brothertown Presentation, Winnebago System, approx. reach 13

Menasha
- 07/15/2021 - Menasha Public Library virtual presentation, approx. reach 8

Appleton
- 09/15/2021 - Community Foundation for the Fox Valley Region in Appleton, approx. reach 20

Kaukauna
- 09/21/2021 - Salt Paddle in Kaukauna (chloride monitoring/runoff issues) approx. reach 8

Oshkosh
- 10/12/2021 - Salt Paddle in Oshkosh (chloride monitoring /runoff issues) approx. reach 12

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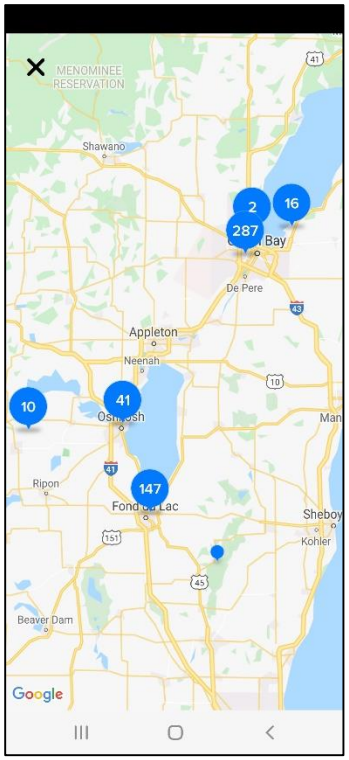
Mini Cleanups

- 4/22/2021 Earth Day Cleanup at Washington Park in **Neenah**, approx. reach 30 volunteers
- 9/10/2021 **Oshkosh** North High School Communities Classes Day of Service Cleanup, approx. reach 38 volunteers
- 9/18/2021 Rock the Block Cleanup in **New London**, approx. reach 14 volunteers
- 10/20/2021 Company cleanup with Michaels Corp in **Neenah, Menasha, Fox Crossing**, approx. reach 20 volunteers

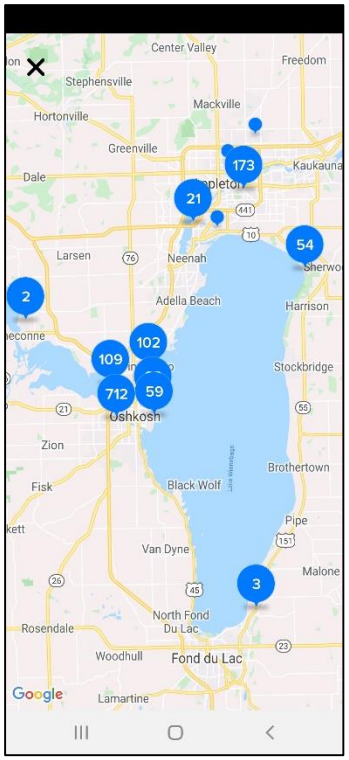
Litterati Cleanup Challenges (Active Participation)

- Spring 2021



- Oshkosh: 41 pieces
- Taycheedah: 38 pieces
- North Fond du Lac: 5 pieces
- Fond du Lac: 82 pieces
- Berlin: 10 pieces
- Town of Scott: 16 pieces
- Howard: 2 pieces
- Hobart: 47 pieces
- De Pere: 59 pieces
- Allouez: 16 pieces
- Green Bay: 211

- Summer 2021



- Oshkosh: 1,044 pieces
- Taychedah: 3 pieces
- Winneconne: 2 pieces
- Sherwood: 54 pieces
- Menasha: 21 pieces
- Appleton: 173 pieces

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Chloride Monitoring (Active Participation, with Documentation):

- 01/06/2021 **Fox Crossing**, 203ppm Cl-
- 01/07/2021 **Fond du Lac** River, 43ppm Cl-
- 01/08/2021 **Menasha** (Oneida St.) 245ppm Cl-
- 01/15/2021 **Menasha** (Oneida St.) 893ppm Cl-
- 01/15/2021 **Menasha** (Lopas Creek), 15ppm Cl-
- 01/21/2021 **Ashwaubenon**, 108ppm Cl-
- 02/26/2021 **Kimberly**, 465ppm Cl-
- 02/26/2021 **Combined Locks**, 465ppm Cl-
- 03/03/2021 **Oshkosh** (Sawyer Creek), 425ppm Cl-
- 03/03/2021 **Oshkosh** (Campbell Creek), 157ppm Cl-

Fall/Winter 2021 Chloride Monitoring: Data and photos can be found on the Google Map

- **Village of Eden**
  - 2 readings
- **City of Fond du Lac**
  - 2 readings
- **City of Oshkosh**
  - 3 readings
- **Town of Algoma**
  - 2 readings
- **Village of Winneconne**
  - 2 readings
- **City of Neenah**
  - 2 readings
- **City of Menasha**
  - 4 readings
- **Village of Fox Crossing**
  - 2 readings
- **Town of Grand Chute**
  - 3 readings
- **City of Appleton**
  - 6 readings
- **Village of Combined Locks**
  - 1 reading
- **City of Kaukauna**
  - 1 reading
- **Village of Wrightstown**
  - 2 readings
- **Village of Ashwaubenon**
  - 1 reading
- **Village of Allouez**
  - 1 reading
- **City of Green Bay**
  - 3 readings
- **Village of Hobart**
  - 2 readings
- **Village of Sherwood**
  - 1 reading
- **Village of Hilbert**
  - 1 readings
- **Town of Center**
  - 1 reading
- **Village of Hortonville**
  - 4 readings

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NEWSC 5 Year Exhibiting Plan

Each year NEWSC will commit to exhibiting at an event on behalf of 20% of our membership, ensuring we exhibit in each member community once during a 5 year permit cycle. *The communities assigned in a given year will be guaranteed a NEWSC presence at a community event during that year, given that the NEWSC member work with the Outreach Coordinator to get the event on the exhibiting calendar by March 30 and work to coordinate with the event host.*

2022	2023	2024
City of Kaukauna	City of Marinette	City of Fond du Lac
Winnebago County	Brown County	City of Two Rivers
Village of Allouez	Village of Ashwaubenon	Outagamie County
Village of Eden	Village of Fox Crossing	City of De Pere
Village of Howard	Village of Kimberly	City of Manitowoc
Village of Sherwood	Village of Suamico	City of Neenah
Town of Buchanan	Town of Clayton	
Town of Friendship	Town of Grand Chute	
Village of Greenville	Town of Ledgeview	
Town of Taycheedah	Village of Combined Locks	
Village of Hobart	Village of Little Chute	
Calumet County	UW Oshkosh	
City of Menasha		

To ensure your space is reserved NEWSC members must:

1. **Contact the Outreach Coordinator by March 30** of the year you are scheduled with the name of event, date of the event and contact information for the event organizer that you would like the Outreach Coordinator to be a part of.
2. Work with the Outreach Coordinator and the event organizer to ensure acceptance of NEWSC participation at the event. Pay any exhibiting fees (if any) for the event. For most community events, NEWSC members are able to coordinate with event host free exhibit space, if the event chosen does not waive exhibit fees for the community, those fees are the responsibility of the NEWSC member.

If communities do not schedule the Outreach Coordinator to participate by March 30, invitations to the Outreach Coordinator from other communities for events will be entertained and all invites will be accepted as time is available on a first come first serve basis. If the Outreach Coordinator is unable to exhibit in your community due to workload or date of event, NEWSC members may check out exhibiting materials from NEWSC. Promotional materials will be provided as part of the exhibiting display if NEWSC has promotional items to hand out.

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Thank You, 2021 Leadership Council Members!

Chair Eric Rakers **(2020-2021)** City of DePere	**Vice-Chair** Heath Kummerow **(2020-2021)** City of Neenah	**Secretary/Treasurer** Brent Jalonen **(2020 - 2021)** Calumet County	**Past-Chair** Danielle Santry **(2020-2021)** Calumet County
Municipal Committee James Rabe **(2019 – 2021)** City of Oshkosh	**General Public Committee** Chris Pagels **(2019 – 2021)** Town of Greenville	**Building & Development Committee** Brad Hartjes **(2021-2023)** raSmith	**Stormwater Quality Management Committee** Chris Murawski **(2020-2022)** Village of Little Chute
Member-at-Large John Neumeier **(2020-2022)** City of Kaukauna	**Member-at-Large** George Dearborn **(2020-2022)** Village of Fox-Crossing	**Member-at-Large** Karen Heyrman **(2018 – 2021)** Town of Grand Chute	

Thank You, 2021 Committee Members!

General Public Committee Chris Pagels – Town of Greenville Dani Santry – Calumet County Andy Maracini – Winnebago County George Dearborn – Village of Fox Crossing Sue Olson – City of Appleton Brian Wayner – Westwood Professional Services	**Municipal Committee** James Rabe – City of Oshkosh Karen Heyrman – Town of Grand Chute Jeff Mazanec – raSmith Scott Ahl – Town of Two Rivers John Neumeier – City of Kaukauna Sue Olson – City of Appleton	**Stormwater Quality Management Committee** Chris Murawski – Village of Little Chute George Dearborn – Village of Fox Crossing Paul Willis – Mead & Hunt Abby Maslanka – Martenson & Eisele Justin Keen – Cedar Corporation Rich Heath – Town of Algoma	**Building & Development Committee** Brad Hartjes – raSmith Nick Waldschmidt – City of Fond du Lac Brent Jalonen – Calumet County Patrick Kuehl – Robert E. Lee Chad VandenLangenberg – Outagamie County Katie Buchalski – Ruekert-Mielke

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**March 7, 2022**
DEPARTMENT:	**Public Works**
FROM:	**Scott Thoresen**
SUBJECT:	**Consideration and possible action on streetlight funding***

The city had been budgeting $50,000 annually for replacing and repairing the existing decorative streetlights throughout the city due to deterioration of the poles and fixtures. In addition, the monies have also been used to upgrade to LED fixtures. During the 2022 budget process, the $50,000 was inadvertently left out of the budget. The funding for the streetlights typically has come out of capital projects and is bonded for. Staff is requesting the BOPW consider funding the street lighting funding as part of the 2022 bonding. If approved, the street lighting would be included as part of the preliminary resolution as well as final resolution for bonding which would go before the Council later this year.

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**March 7, 2022**
DEPARTMENT:	**Engineering**
FROM:	**Eric Rakers**
SUBJECT:	**Consideration and possible action on Quotes for 2022 Materials Testing and Soil Borings***

ATTACHMENTS:

- 2022 0307 CI_BOPW_Materials_Testing (PDF)
- 2022 0307 CI_2022_Materials_Testing_Comparison (PDF)
- 2022 0103 CE_BATC 2022 Proposal (PDF)
- 2022 0117 CE_PSI 2022 Proposal (PDF)
- 2022 0118 CE AET 2022 Proposal (PDF)
- 2022 0118 CE_ECS_2022 Proposal (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric P. Rakers, P.E., City Engineer
Date: March 7, 2022

RE: **Consideration and possible action on Quotes for 2022 Materials Testing and Soil Borings***

The Engineering Department received proposals for materials testing that will be completed in conjunction with the City's 2022 construction projects. The total cost of this work was estimated using previous quantities as follows:

Materials Testing	Estimate
BATC	$37,550.00
PSI	$40,342.00
ECS	$44,215.00
AET	$52,575.00

Soil Boring	Estimate
PSI	$5,592.50
ECS	$5,850.00
AET	$6,300.00

The staff recommendation is to accept the quote from Bay Area Testing and Consulting, LLC (BATC) for the materials testing estimated at $37,550.00 and the quote from Professional Service Industries, Inc (PSI) for soil borings estimated at $5,592.50. Funds for this work are budgeted in the various capital projects accounts.

Attachments:

2022 0307 CI 2022 Materials Testing Comparison (PDF)
2022 0103 CE BATC 2022 Proposal (PDF)
2022 0117 CE PSI 2022 Proposal (PDF)
2022 0118 CE AET 2022 Proposal (PDF)
2022 0118 CE ECS 2022 Proposal (PDF)

Item	Unit	2022 Est. Amount	BATC		PSI		AET		ECS	
			Unit Price	Total	Unit Price	Total	Unit Price	Total	Unit Price	Total
Engineering Services										
Project Manager	Per hour	10.00	$65.00	$650.00	$75.00	$750.00	$90.00	$900.00	$95.00	$950.00
Project Engineer	Per hour	10.00	$65.00	$650.00	$75.00	$750.00	$90.00	$900.00	$125.00	$1,250.00
Staff Engineer	Per hour	50.00	$65.00	$3,250.00	$75.00	$3,750.00	$90.00	$4,500.00	$65.00	$3,250.00
Field Technician										
Senior Technician	Per hour	50.00	$45.00	$2,250.00	$42.00	$2,100.00	$65.00	$3,250.00	$50.00	$2,500.00
Technician	Per hour	400.00	$35.00	$14,000.00	$37.00	$14,800.00	$55.00	$22,000.00	$45.00	$18,000.00
Clerical	Per hour	50.00	$35.00	$1,750.00	$25.00	$1,250.00	$40.00	$2,000.00	$35.00	$1,750.00
Mileage	Per mile	5000.00	$0.40	$2,000.00	$0.50	$2,500.00	$0.70	$3,500.00	$0.65	$3,250.00
Laboratory Testing Services										
Standard Proctor	Per each	1.00	$115.00	$115.00	$125.00	$125.00	$115.00	$115.00	$130.00	$130.00
Modified Proctor	Per each	10.00	$120.00	$1,200.00	$150.00	$1,500.00	$140.00	$1,400.00	$150.00	$1,500.00
Concrete Compression Test (Cylinder by Company)	Per each	500.00	$14.00	$7,000.00	$14.00	$7,000.00	$15.00	$7,500.00	$13.00	$6,500.00
Concrete Compression Test (Cylinder by City)	Per each	10.00	$14.00	$140.00	$14.00	$140.00	$15.00	$150.00	$23.00	$230.00
Handling of Backup Cylinders	Per each	160.00	$7.00	$1,120.00	$14.00	$2,240.00	$15.00	$2,400.00	$5.00	$800.00
Aggregate Sieve Analysis	Per each	10.00	$60.00	$600.00	$50.00	$500.00	$90.00	$900.00	$70.00	$700.00
Atterberg Limits	Per each	1.00	$50.00	$50.00	$75.00	$75.00	$90.00	$90.00	$65.00	$65.00
Permeability, Granular Soils	Per each	1.00	$250.00	$250.00	$275.00	$275.00	$290.00	$290.00	$275.00	$275.00
Permeability, Cohesive Soils	Per each	1.00	$275.00	$275.00	$350.00	$350.00	$425.00	$425.00	$300.00	$300.00
Field Technician Services										
Sample Pickup	Per each	1.00	$50.00	$50.00	$37.00	$37.00	$55.00	$55.00	$15.00	$15.00
Nuclear Density Gauge	Per ½ day	100.00	$20.00	$2,000.00	$20.00	$2,000.00	$20.00	$2,000.00	$25.00	$2,500.00
Nuclear Density Gauge	Per day	5.00	$40.00	$200.00	$40.00	$200.00	$40.00	$200.00	$50.00	$250.00
MATERIAL TESTING TOTAL COST				**$37,550.00**		**$40,342.00**		**$52,575.00**		**$44,215.00**
Soil Boring		**2022 Est.**								
Mobilization	Per each	5.00			$500.00	$2,500.00	$500.00	$2,500.00	$400.00	$2,000.00
Soil Boring	VF	150.00			$13.95	$2,092.50	$18.00	$2,700.00	$17.00	$2,550.00
Report	Per each	1.00			$1,000.00	$1,000.00	$1,100.00	$1,100.00	$1,300.00	$1,300.00
						$5,592.50		**$6,300.00**		**$5,850.00**

Bay Area Testing & Consulting, LLC

PROJECT:

REQUEST FOR PROPOSAL
SOIL TESTING SERVICES
2022 CONSTRUCTION
CITY OF DE PERE, WISCONSIN

CLIENT:

MR. ERIC RAKERS, P.E.
CITY ENGINEER

DATE:

JANUARY 3, 2022

Bay Area Testing & Consulting, LLC

3125 Birch Road, Suite B
Suamico, WI 54173
Telephone: 920/660-5246
Fax: 920/544-9693

January 3, 2022

Mr. Eric Rakers, P.E.
City Engineer
City of De Pere
925 South Sixth Street
De Pere, WI 54115-1199

Request for Proposal
Soil Testing Services
2022 Construction
City of De Pere, Wisconsin

Mr. Rakers,

Bay Area Testing & Consulting, LLC (BATC) has prepared this Request for Proposal for the City of De Pere 2022 Soil Testing Services. The attached "Request for Proposal" includes the information that was requested in the Request for Proposal (RFP). BATC has submitted an electronic copy of this proposal for your use.

Respectfully,
Bay Area Testing & Consulting, LLC

Jacob P. Franzmeier, P.E.
Owner / Geotechnical Engineer

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2022 CONSTRUCTION
CITY OF DE PERE

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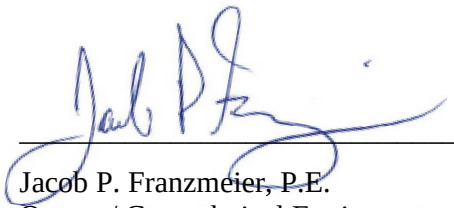
1.0 INTRODUCTION

1.1 Proposing Firm

Bay Area Testing & Consulting, LLC (BATC) would like to extend our expression of interest to the Request for Proposal for the City of De Pere Soil Testing Services for the 2022 Construction. BATC is located at 3125 Birch Road, Suite B, Suamico, Wisconsin. Mr. Jacob Franzmeier, P.E., is an owner and will be representing BATC for this contract. The office telephone number, which is also Jacob's mobile phone number, is 920-660-5246.

Bay Area Testing & Consulting, LLC
3125 Birch Road, Suite B
Suamico, WI 54173
Phone: 920-660-5246
Fax: 920-544-9693
Email: jake@bayareatesting.com

I, Jacob P. Franzmeier, am authorized to represent Bay Area Testing & Consulting, LLC.



_____ 1/3/2022

Jacob P. Franzmeier, P.E.
Owner / Geotechnical Engineer

Date

1.2 Statement of Qualifications

In December, 2010, BATC was established in Green Bay, Wisconsin, to provide independent construction materials testing for various private, commercial, and municipal projects, along with Wisconsin Department of Transportation (WisDOT) projects. BATC is currently on the WisDOT list of qualified laboratories for concrete, soil, aggregate, and asphalt testing. BATC also participates in the AASHTO Materials Reference Laboratory (AMRL) Proficiency Sample Program for Coarse Aggregate. Since our staff has a wide variety of experience on projects throughout the state, our extensive knowledge and experience in soil, concrete, and asphalt field and laboratory testing results in exceptional quality control.

Further, our company goal is to provide accurate, detailed, and repeatable quality control results in a timely manner. Since all of our staff members have both extensive field and laboratory experience, we maintain that our test results are done both precisely and promptly, no matter who performs the testing, saving our clients both time and money.

All of our staff members are certified at different levels based on their experience and capabilities. Further, as an organization, we currently have certified personnel through the American Concrete Institute, the Wisconsin Department of Transportation Highway Technician Certification Program, and Troxler Laboratories. The following list contains the certifications and qualifications BATC employees currently maintain:

- Wisconsin DOT Certified PCC Technician – Level II
- Wisconsin DOT Certified PCC Technician – Level I
- Wisconsin DOT Certified ATTS Technician
- Wisconsin DOT Certified Aggregate Technician – Level I
- Wisconsin DOT Certified Grading Technician
- Wisconsin DOT Certified Aggregate Sampling Technician
- Wisconsin DOT Certified Concrete Strength Tester
- Wisconsin DOT Certified Nuclear Density Technician
- Wisconsin DOT Certified Asphalt Technician – Level ITP
- ACI Concrete Field Technician – Level I
- Soil Moisture/Density Operator – Troxler Electronics Labs, Inc.

2.0 PROJECT SCOPE OF SERVICES

We understand the City of De Pere is pursuing a qualified consulting firm to complete material testing services on an "as-needed" basis for the 2022 construction season under a fixed fee, open-ended contract. Our understanding of the scope of services includes but is not limited to the following:

- Earthwork Testing
- Subgrade Compaction
- Trench Compaction
- Crushed Aggregate Base Course Testing (Material and Compaction)
- Asphaltic Concrete Pavement Testing (Samples and Compaction)
- Concrete Testing
- Soil Borings
- Field Observation Related to Soil and/or Construction Conditions

BATC understands that the City of De Pere would like a firm that can provide the above listed scope of services in a timely and professional manner in compliance with industry standards, by certified technicians and engineers under the direct supervision of a Professional Engineer, licensed in the State of Wisconsin. Most test results will be submitted to the City within 24 hours, unless a further detailed analysis is needed to provide a more cost effective solution to the problem. All reports will be submitted in PDF format and paper copies will be provided, if requested.

2.1 Overview of Construction Materials Testing

BATC will provide construction materials field testing for the 2022 City of De Pere contract. BATC will be responsible for the concrete testing, soil and aggregate laboratory testing, soil and asphalt density testing, and asphalt sampling, as well as construction inspections and observations upon the City's request. For this contract, BATC will utilize subcontract services for some of the specialty laboratory testing services, if needed.

Some of the laboratory services that can be provided are: washed and unwashed sieve analysis, standard and modified proctors, Atterberg Limits, hydrometer testing, double hydrometer testing, percent material finer than the #200 sieve testing, fractured face count of coarse aggregate, specific gravity of fine and coarse aggregates, L.A. Abrasion, freeze-thaw soundness, sodium sulfate soundness, lightweight particles, organic content, organic impurities testing, compressive strength of concrete, mortar, and grout, flexural and splitting tensile strength of concrete, asphalt extraction and gradation including asphalt content, and determination of theoretical maximum density of bituminous concrete.

Some of the field testing services that can be provided are: slump, air content, temperature, unit weight, and yield of plastic concrete; soil bearing capacity verification; proof-rolling observations of subgrade soils; nuclear density testing of soil, base aggregate, and asphalt; concrete and asphalt coring and analysis; rebar inspection; mortar and grout testing; and concrete batch plant inspections, if requested.

The list of laboratory and field testing services that BATC listed above is not a complete list of tests that could be performed. As demand increases for a particular testing procedure, and as our company continues to grow, BATC evaluates our services on a case by case basis and determines whether or not to expand our services to meet the demand of the requested testing procedure.

2.2 City of De Pere Materials Testing Scope of Services

Prior to the start of each project for the City, BATC would like to obtain any available project plans and specifications, if allowed by the City contracts. If available, these plans and specifications can be submitted to us electronically. We have found with working in municipalities over the years, it is convenient for the field technicians to have project plans in case a situation arises wherein a City of De Pere inspector is not able to be on-site. During the peak of the construction season, we request a 24 hour courtesy call prior to on-site testing but in reality, we can typically make it on-site within 4 hours of being notified, and more times than not, sooner than 4 hours. BATC takes pride in reliable and timely service to our clients.

2.2.1 Earthwork, Subgrade and Trench Compaction, and Crushed Aggregate Base Course Testing Services

BATC field staff will provide base aggregate and soil sampling and testing, as requested, on projects throughout the City of De Pere. We will either obtain samples on-site after the material is delivered to the construction site or stockpiled on-site, or we will obtain samples from the pit or quarry using proper sampling methods. Further, we will provide test results for sieve analyses and proctor tests on granular soils typically within 24 hours of obtaining samples. However, when cohesive soils will be utilized for backfilling utility trenches or used for pond liners, proctor test results will typically be available within 36 hours of obtaining the sample because of the additional preparation time needed for cohesive soils.

After the completion of the laboratory testing and approval of the source by the City of De Pere, BATC will provide nuclear density testing on sub-base and base course, trench backfill, and/or structural fill materials. BATC will immediately notify the City of De Pere inspector of all test results before leaving the jobsite. If the inspector cannot be found on-site or by telephone, the City Project Manager will be notified prior to the technician’s departure from the jobsite. Test results for compaction testing will be sent to the City of De Pere within 24 hours of our return to the laboratory.

2.2.2 Asphaltic Concrete Pavement Testing Services

During paving operations, BATC staff will provide on-site asphalt density testing and asphalt sampling on an as requested basis. Sampling of asphalt pavement may occur on-site or at the asphalt plant either by our qualified staff or the asphalt suppliers' staff, depending on the asphalt suppliers' insurance and liability restrictions. In either case, BATC personnel will be present during the sampling of the asphalt to ensure proper sampling techniques are followed. We typically require a 12 hour notice for any field sampling and testing, but will try to accommodate the schedule of either the City or asphalt paving contractor with a notice of 4 hours.

After sampling, BATC personnel will return the asphalt sample to our laboratory to perform testing. We are capable and our laboratory is certified to perform asphalt extraction and gradation analysis, including asphalt content, and theoretical maximum density of bituminous pavement. If further analysis is needed, such as determining the bulk density by use of gyratory compaction methods in the laboratory, we may have to employ a subcontractor to perform these services. However, we can determine bulk specific gravity of in-place compacted asphalt pavement from core samples from the roadway during construction, if needed. Test results for asphalt density testing will be provided within 48 hours of receiving the sample. Asphalt extraction and gradation and theoretical maximum density determination laboratory asphalt testing will be provided within 36 hours of receiving the sample.

2.2.3 Concrete Testing Services

Based on our past experience working with the City of De Pere, typically concrete testing and cylinders would be cast by BATC, but some may be cast by City of De Pere inspectors. When providing concrete testing services, BATC will conduct slump, air content, and temperature tests, and cast four (4) standard 6" x 12" concrete cylinders, unless directed otherwise. BATC will typically pick-up cylinders within 24 hours of cylinders being cast, but in no case will cylinders be in the field longer than 48 hours. We understand that the most critical time period for cylinders is within the first 48 hours of curing in the field. Therefore, we will do our best to

ensure all cylinders cast by BATC and the City of De Pere inspectors cure at the proper initial curing temperature and record maximum/minimum temperatures upon pick-up of the cylinder sets. If we notice that cylinders are curing too hot or too cold during the initial cure, we will immediately contact the City Project Manager and discuss methods to ensure proper curing methods. Test results for field testing will be reported to the City Inspector immediately after testing, with a written report sent to the City typically within 24 hours of testing. Compressive strength testing will be conducted at 7 and 28 days and reports will be sent to the City usually within 24 hours after the testing is completed. However, if concrete compressive strength does not meet the required 7-day or 28-day strength, BATC will immediately contact the City Project Manager to discuss the next course of action.

2.2.4 Soil Borings

Since we currently do not conduct or subcontract drilling services to provide soil borings, we will not be providing a price for the soil boring portion of this contract. However, in the future, we may provide prices for soil borings, if requested, on a case-by-case basis.

2.2.5 Construction Inspection and Observations

BATC will provide construction inspection and/or observations on an as requested basis throughout the 2022 construction season. We understand the scope may include but is not limited to: subgrade soil testing and observations in parking lot and building foundations, proof-rolling observations of either existing subgrade soils or compacted base course, pile driving observations, and structural concrete pour inspections and documentation. When observing and testing soils for foundations and parking lots, BATC follows the recommendations that are given in the geotechnical reports for the project. If a geotechnical report is not available for the project, BATC will provide our recommendation based on the soil conditions or refer back to the structural-engineer-of-record (SER) for recommendations concerning unsuitable soils. Further, based on the recommendations that are accepted, BATC will conduct the necessary field and laboratory testing to fulfill the intention of the specifications or

recommendations.

For structural concrete observations before and at the completion of concrete pours, BATC will provide documentation that the number, size, splice lengths and locations, and clear cover of the reinforcement steel match the reinforcement schedule prior to placement of concrete. If there is a deficiency in the reinforcement steel, BATC will immediately contact the project inspector or project engineer and the issue will be resolved prior to the placement of concrete. Further, if requested, BATC will also document the placement, orientation, and location of any structural bolt settings in accordance with the structural drawings. Also, BATC will ensure concrete placement is done in conformance with the most recent ACI and ASTM procedures for form work, perform mix design reviews, and review and recommend proper consolidation and curing techniques. Construction Inspection and/or Observation written reports will be available to the City within 48 hours of our return to the laboratory.

BATC can also provide concrete batch plant inspections, if requested by the City. BATC would travel to the concrete batch plant, perform the inspections in accordance with ACI 311.5 and document any deficiencies with the batch plant. These deficiencies would be documented during the inspection process and verbally reported to the City immediately following the inspection. The batch plant inspection report would be available to the City in writing within 24 hours of the completion of the inspection.

2.2.6 Additional Field and Laboratory Testing

BATC is capable and certified to perform a wide variety of specialty testing not typically requested on projects. Further, additional services include masonry testing and observations, sprayed applied fire-proofing testing, caisson inspections, moisture-vapor transmission testing, concrete and asphalt coring for thickness, concrete distress evaluations, smoke pencil testing of exterior building wall coverings, flexural and splitting tensile strength of concrete specimens, double hydrometer testing, and flat and/or elongated particle testing. Depending on what the circumstances are regarding the additional services, we will be able to perform the above testing

on an as-requested basis.

3.0 BATC KEY PERSONNEL AND ROLES

Jacob P. Franzmeier, P.E.
Professional Engineer/Staff Engineer/Field Operations Manager/Chief Quality Control Officer

Jacob will be the primary contact for the construction materials testing services for this contract. Jacob has over 15 years of experience in construction materials testing, site recommendations and trouble shooting, and geotechnical engineering. Jacob is the Field Operations Manager/Lab Supervisor of BATC. His duties include overseeing all operations of BATC from scheduling technicians to reviewing field reports. He is also BATC's Radiation Safety Officer and Chief Quality Control Officer for the WisDOT Laboratory Certification. Jacob will be the direct contact for this contract and will be coordinating the material testing, including concrete, asphalt, soil, base aggregate, and any other testing services needed for the City contract. He will also be attending all meetings that require our attendance as requested by the City. Further, he will also conduct field work involving engineering recommendations and inspections, and on occasion field materials testing, if needed or if immediate testing is requested by the City. Jacob is licensed in the State of Wisconsin as a Professional Engineer.

Henry P. Koch, CET
Senior Engineering Technician

Henry has over 25 years of experience as both a field and laboratory technician. His field experience includes concrete testing, soil and asphalt density testing, soil, aggregate, and asphalt sampling, subgrade soil observations and testing, proof-rolling observations, spray fire resistant material and intumescent fireproof testing, concrete coring, and water vapor transmission testing. His laboratory experience includes but is not limited to hardened concrete testing, soil and base aggregate sieve analysis, specific gravity of fine and coarse aggregates, WisDOT asphalt mix and quality testing, and many more. Henry is certified in all of the field and laboratory testing performed by BATC currently.

Austin Dier, CET
Senior Engineering Technician

Austin has over 9 years of experience as both a field and laboratory technician. His field experience includes proof-rolling observations, concrete testing, soil, aggregate, and asphalt density testing, and aggregate sampling. His laboratory experience includes, but is not limited to: hardened concrete testing, soil and base aggregate sieve analysis, standard and modified proctor tests, and many more. Austin is certified to perform all of the field and laboratory testing with the exception of soil subgrade bearing capacity verification and asphalt mix laboratory testing.

Ethan Bornick, CET
Senior Engineering Technician

Ethan has over 9 years of experience as both a field and laboratory technician. His field experience includes soil subgrade bearing capacity verification, proof-rolling observations, concrete testing, soil, aggregate, and asphalt density testing, and aggregate sampling. His laboratory experience includes, but is not limited: to hardened concrete testing, soil and base aggregate sieve analysis, standard and modified proctor tests, and many more. Ethan is certified to perform all of the field and laboratory testing with the exception of asphalt mix laboratory testing.

Depending on the schedule for the day and the complexity of the City project, any of the above staff may be sent to the projects. However, a majority of the field testing will be performed by either a Senior Engineering Technician or an Engineering Technician. Further, if the project is complex and requires more extensive testing and observations, either a Senior Engineering Technician or a Staff Engineer would be scheduled to the project because of their experience. If a project would require a recommendation regarding either an alternative construction method or a change in design, a Staff Engineer or a Professional Engineer would be scheduled for that particular case. Only in cases in which the City would need an immediate response to a project, any of the staff personnel could be scheduled to that project to ensure that the required testing is performed, especially if the testing is critical to the project schedule.

4.0 BATC ADDITIONAL INFORMATION

4.1 Project Response Time and Saturday Work

We understand in some cases project plans change and a quick response is required with very little notice. With our past experience on similar projects, especially working with time critical concrete pours, such as with the Wisconsin Department of Transportation, we recognize that at times the City of De Pere will need an immediate response. As stated previously, BATC takes pride in reliable and timely service. For instance, the office phone is always with the owner and field coordinator, Mr. Franzmeier, day and night, weekdays, and on the weekends. All phone calls for BATC run through one point of contact, ensuring that all scheduling gets to the technicians as quickly and efficiently as possible. If a situation would arise that requires immediate testing in the City of De Pere, a BATC staff member will almost always be there when needed or within a reasonable time limit, day or night, if requested. Also, based on previous year's project locations, we generally have multiple projects in or near the City of De Pere. With this many projects in the area, we will have more flexibility with our schedule and a more timely response if something is not scheduled and work needs to be performed. Typically, if Saturday work is expected for an upcoming weekend, we would ask to have a curtesy call prior to Friday to inform us. We understand that sometimes weekend work is unexpected and is usually last minute scheduling by the contractor, which we can typically accommodate.

4.2 BATC Approach

BATC's primary goal is to provide affordable quality control while emphasizing safety and team work. We have experience in almost all facets of the construction project, from soil assessments in the geotechnical phase to inspecting and testing construction materials during the construction phase. BATC, as a part of your construction team, is committed to the success of your projects. One of our goals as a smaller company is to achieve exceptional quality control on each project to ensure our client's satisfaction. We will assist both the project engineer and project inspector

in the scheduling and management of the quality control by being proactive and we will be available anytime for questions you may have before, during, and after the completion of the project. Our success depends on the success of our clients. We strive to improve the quality control on projects in any way possible. Because most of our staff has worked with the City of De Pere in the past, we are familiar with most of the current City Public Works Staff and a majority of the operating procedures of the City.

5.0 PREVIOUS PROJECTS

BATC has performed construction materials testing on a wide variety of projects throughout the state in recent years. The following is a list of recent projects of similar nature that BATC was contracted to perform, a brief description of the services performed, and references for each of the contracts:

- 2011, 2016, 2019, 2020, and 2021 City of De Pere Construction Materials Testing Contract, De Pere, Wisconsin
  BATC performed the annual construction materials testing contract for the City of De Pere, which included but was not limited to: plastic concrete testing and concrete compressive strength testing on concrete curb and gutter, sidewalk, and pavement throughout the City of De Pere. We also performed soil and aggregate field and laboratory testing, including utility trench compaction testing, soil subgrade density testing, roadway base course density, sieve analyses and proctor testing. Further, we also performed asphalt density testing on various streets for this contract.
  Contracting Party: City of De Pere
  Project Contact: Chase K. Kuffel
  Contact Number: 920-339-4060
- Titletown Development Phase I and Phase II, Green Bay, Wisconsin
  BATC is currently performing all inspections and testing for the general contractor on a site development project including, but not limited to: soil subgrade bearing capacity verification, proof-rolling observations, over-excavation recommendations, plastic and hardened concrete testing, soil compaction testing, soil laboratory testing, frost checks, reinforcing steel observations, fireproofing inspections, and construction observations.
  Contracting Party: Sterling Development Group
  Project Contact: Adam Bickoff
  Contact Number: 201-207-9205

- Titletown – Bellin Clinic, Ashwaubenon, Wisconsin
  BATC performed all inspections and testing for the general contractor on the new orthopedic sports medicine clinic including but not limited to: soil subgrade bearing capacity verification, proof-rolling observations, over-excavation recommendations, reinforcing steel inspections and observations, plastic and hardened concrete testing, soil compaction testing, soil laboratory testing, and asphalt density testing.
  Contracting Party: Miron Construction Company
  Project Contact: Chad Theilman
  Contact Number: 920-585-3780

- City of Kaukauna – Project 1-17, 1-18, 1-19, 1-20, 1-21 Kaukauna, Wisconsin
  BATC performed the construction materials testing contract for the City of Kaukauna Projects, which included but was not limited to: plastic concrete testing and concrete compressive strength testing on concrete curb and gutter, sidewalk, and pavement on multiple streets downtown in the City of Kaukauna, Wisconsin. We also performed soil and aggregate field and laboratory testing, including utility trench compaction testing, soil roadway base course density, sieve analyses and proctor testing.
  Contracting Party: Vinton Construction Company
  Project Contact: Ron Raboine
  Contact Number: 920-682-0375

- Cedars Central Parkway Demolition, Grading, and Graveling – Phase I, Kimberly, Wisconsin
  BATC performed the construction materials testing contract for the Village of Kimberly, which included but was not limited to: approval of backfill material and building demolition and utility removal compaction testing for a new site development. We also performed soil and aggregate field and laboratory testing, including sieve analyses and proctor testing.
  Contracting Party: Peters Concrete Company
  Project Contact: Brian Bartels
  Contact Number: 920-494-3700

- Aurora Baycare Medical Center, Building Additions and Parking Lot Expansions, Green Bay, Wisconsin
  BATC performed all inspections and testing on the hospital building additions and parking lot expansions for the owner including but not limited to: soil subgrade bearing capacity verification, proof-rolling observations, over-excavation recommendations, construction inspections, plastic and hardened concrete testing, soil compaction testing, soil laboratory testing, asphalt density testing, and vapor barrier inspections.
  Contracting Party: Aurora Baycare Medical Center
  Project Contact: Barbara Johnson
  Contact Number: 920-288-4033

- Agropur Expansion and Renovations, Luxemburg and Weyauwega, Wisconsin
  BATC performed all inspections and testing for the general contractor on the cheese plant expansions and renovations including building additions, parking lot expansions, and wastewater treatment plant construction including, but not limited to: soil subgrade bearing capacity verification, proof-rolling observations, over-excavation recommendations, reinforcing steel inspections and observations, plastic and hardened concrete testing, soil compaction testing, soil laboratory testing, asphalt density testing.
  Contracting Party: Miron Construction Company
  Project Contact: Chad Theilman
  Contact Number: 920-585-3780

- Belmark Building Additions and Expansions on Multiple Buildings, De Pere, Wisconsin
  BATC performed all inspections and testing for the general contractor on multiple building and parking lot expansions to the plant including, but not limited to: soil subgrade bearing capacity verification, proof-rolling observations, over-excavation recommendations, plastic and hardened concrete testing, soil compaction testing, and soil laboratory testing.
  Contracting Party: The Boldt Company
  Project Contact: Tony Meeuwsen
  Contact Number: 920-450-3255

- Appleton Medical Center Hybrid OR Expansion, Appleton, Wisconsin
  BATC performed all inspections and testing for the general contractor on a hospital building expansion including, but not limited to: soil subgrade bearing capacity verification, over-excavation recommendations, plastic and hardened concrete testing, soil compaction testing, soil laboratory testing, frost checks, sprayed applied fireproof testing, reinforcing steel observations, and construction observations.
  Contracting Party: The Boldt Company
  Project Contact: Matt Peterson
  Contact Number: 920-225-6259

- Wrightstown Water Transmission Main Project, Brown County, Wisconsin
  BATC performed testing for the general contractor on a water transmission main project including, but not limited to: plastic and hardened concrete testing, soil compaction testing, soil laboratory testing, and asphalt density testing.
  Contracting Party: Carl Bowers and Sons Construction
  Project Contact: Bill Bowers
  Contact Number: 920-419-4950

- Aldon Station Infrastructure Construction, Village of Ashwaubenon, Wisconsin
  BATC performed testing for the general contractor on a mass fill / utility construction project including, but not limited to: hardened concrete testing, soil compaction testing, and soil laboratory testing.
  Contracting Party: Riverview Construction
  Project Contact: Matt Athey
  Contact Number: 920-609-1025

- 2021 Water and Sewer Construction, Village of Fox Crossing, Wisconsin
  BATC performed testing for the general contractor on a large utility construction project including, but not limited to: soil compaction testing, and soil laboratory testing.
  Contracting Party: David Tenor Corporation
  Project Contact: Dave Tenor
  Contact Number: 920-360-9246

6.0 SUPPLEMENTAL FEE SCHEDULE

BATC FEE SCHEDULE 2022

Soil and Aggregate Laboratory Services:

1.	Mechanical Analysis of Soils, 3" to Fine Aggregate (ASTM C136)	$60.00/Each
2.	Mechanical Analysis of Soils, 3" to 6" (ASTM C136)	$120.00/Each
3.	Moisture Content of Soils (ASTM D2216)	$10.00/Each
4.	Percent Material Passing the #200 Sieve (ASTM D1140)	$45.00/Each
5.	Atterberg Limits (Liquid Limit, Plastic Limit, Plasticity Index) (ASTM D4318)	$50.00/Each
6.	Standard Proctor Test (ASTM D698)	$115.00/Each
7.	Modified Proctor Test (ASTM D1557)	$120.00/Each
8.	Hydrometer Test (ASTM D422)	$90.00/Each
9.	Dispersive Characteristics of Clay Soil by Double Hydrometer (ASTM D4221)	$190.00/Each
10.	Permeability of Granular Soils (ASTM D5084)	$250.00/Each
11.	Permeability of Cohesive Soils (ASTM D5084)	$275.00/Each
12.	Organic Content of Soils (D2974)	$45.00/Each
13.	Organic Impurities in Fine Aggregate (ASTM C40)	$40.00/Test
14.	Flat/Elongated Particles, Fractured Particles in Coarse Aggregate (ASTM D4791)	$30.00/Test
15.	Unit Weight of Aggregate (ASTM C29)	$40.00/Test
16.	Abrasion of Coarse Aggregate by Los Angeles Machine (ASTM C131)	$150.00/Test
17.	Soundness of Aggregate, Sodium or Magnesium Sulfate (ASTM C88)	$270.00/Test
18.	Freeze/Thaw Soundness of Aggregates (AASHTO T103)	$270.00/Test
19.	Fine Aggregate Specific Gravity (ASTM C128)	$70.00/Each
20.	Coarse Aggregate Specific Gravity (ASTM C127)	$80.00/Each
21.	Friable Particles in Aggregate (ASTM C142)	$70.00/Test
22.	Lightweight Pieces in Aggregate (ASTM C123)	$160.00/Test
23.	Visual Examination of Chert in Aggregate	$30.00/Test

Asphalt Laboratory Testing Services

24.	Extraction / Gradation of Bituminous Mixtures (ASTM D2172)	$175.00/Test
25.	Theoretical Maximum Specific Gravity (ASTM D2041)	$100.00/Test
26.	Bulk Specific Gravity of Cored Asphalt Specimens (ASTM D2726)	$90.00/Core

Laboratory Services and Equipment Rentals:

27.	Compressive Strength of Cylinders (ASTM C39)	$14.00/Each
28.	Flexural Strength of Concrete (ASTM C78)	$44.00/Each
29.	Splitting Tensile Strength of Cylindrical Concrete Specimens (ASTM C496)	$22.00/Each
30.	Handling Reserve Cylinders (ASTM C39)	$7.00/Each
31.	Trimming Non-Planar Concrete Cylinder Specimens (ASTM C42)	$20.00/Each
32.	Compressive Strength of 2" Mortar Cubes (ASTM C109)	$10.50/Each
33.	Compressive Strength of 3" x 3" x 6" Grout Prisms (ASTM C1019)	$10.50/Each
34.	Trimming, Capping, and Compressive Strength of Drilled Cores (ASTM C42)	$50.00/Each
35.	Case of Cylinder Molds	$45.00/Case
36.	Mileage	$0.40/Mile
37.	Nuclear Gauge Rental	$20.00/½ day: $40.00/day
38.	Cone Penetrometer Rental	$20.00/½ day: $35.00/day
39.	Coring Equipment Rental	$150.00/½day:$250.00/day
40.	Moisture Vapor Transmission (MVT) Test Kits (ASTM F1869)	$20.00/test kit
41.	Sample Pick-up from Quarry/Pit within 30 Miles of Green Bay	$50.00/Trip

Field Services Staff:

42.	Jacob Franzmeier, PE, Project Engineer	$65.00/hour
43.	Jacob Franzmeier, PE, Staff Engineer	$65.00/hour
44.	Henry Koch, CET, Senior Engineering Technician	$45.00/hour
45.	Austin Dier, CET, Senior Engineer Technician	$45.00/hour
46.	Ethan Bornick, CET, Senior Engineer Technician	$45.00/hour
47.	Engineer Technician	$35.00/hour
48.	Engineering Technician, Intern / Coop	$35.00/hour
49.	Administrative Assistant	$35.00/hour

Note: The prices included for this project will be in effect for the duration of the project and throughout the 2022 construction season. Further, if your project requires an additional test procedure to be performed that is not included on this fee schedule, feel free to contact our office for additional pricing. Any work on Saturday may be subject to an overtime rate of 1.5 times the personnel rate. Further, any work performed on Sunday may be subject to an overtime rate of 1.75 times the personnel rate. However, none of the laboratory testing methods and procedures will be subject to any increase in price.

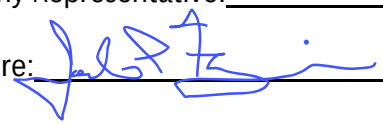
Proposed Fee Schedule

Company Name: Bay Area Testing & Consulting, LLC.

Company Address: 3125 Birch Road, Suite B

Company Address: Suamico, WI 54173

Company Representative: Jacob P. Franzmeier

Signature: 

CONSTRUCTION MATERIALS AND SOIL TESTING				
Item	**Unit**	**Estimated Quantity**	**Unit Price**	**Total**
Engineering Services				
Project Manager	HR	10	$65.00	$650.00
Project Engineer	HR	10	$65.00	$650.00
Staff Engineer	HR	50	$65.00	$3,250.00
Field Technician				
Senior Technician	HR	50	$45.00	$2,250.00
Technician	HR	400	$35.00	$14,000.00
Clerical	HR	50	$35.00	$1,750.00
Mileage	MI	5,000	$0.40	$2,000.00
Distance from Office to City of De Pere – 925 S. Sixth Street	MI	16		
Laboratory Testing Services				
Standard Proctor	EA	1	$115.00	$115.00
Modified Proctor	EA	10	$120.00	$1,200.00
Concrete Compression Test (Cylinder by Company)	EA	500	$14.00	$7,000.00
Concrete Compression Test (Cylinder by City)	EA	10	$14.00	$140.00
Handling of Backup Cylinders	EA	160	$7.00	$1,120.00
Aggregate Sieve Analysis	EA	10	$60.00	$600.00
Atterberg Limits	EA	1	$50.00	$50.00
Permeability, Granular Soils	EA	1	$250.00	$250.00
Permeability, Cohesive Soils	EA	1	$275.00	$275.00
Field Technician Services				
Sample Pickup	EA	1	$50.00	$50.00
Nuclear Density Gauge	½ DAY	100	$20.00	$2,000.00
Nuclear Density Gauge	DAY	5	$40.00	$200.00

SOIL BORING SERVICES				
Item	**Unit**	**Estimated Quantity**	**Unit Price**	**Total**
Soil Boring				
Mobilization	EA	5	N/A	N/A
Soil Boring	VF	150	N/A	N/A
Report	EA	1	N/A	N/A

Professional Service Industries, Inc.
3009 Vandenbroek Road
Kaukauna, Wisconsin 54130
Phone: (920)-735-1200

Mr. Eric Rakers, P.E.
City of De Pere
925 South Sixth Street
De Pere, Wisconsin 54115

Re: Proposal for Construction Material Testing Services
Proposed Soil Testing Services – 2022 Construction
De Pere, Wisconsin

Dear Mr. Rakers:

In accordance with your request, Professional Service Industries, Inc. (PSI), an Intertek Company, is pleased to submit this proposal for providing construction materials testing services for the above referenced project. The purpose of the services will be to perform construction observations and materials testing, as part of a generalized evaluation of compliance with the project specifications, within the limitations of the authorized scope of our work. A brief description of our understanding of the project, scope of proposed work to be provided, proposed method of performance and fee is included in the following paragraphs.

Project Description

It is understood that the 2022 capital improvement program will include projects such as: new street construction, street reconstruction, street milling and overlay, sanitary sewer improvements, water system improvements, storm sewer improvements, concrete replacement (curb & gutter, sidewalk, driveway, street), concrete street construction/reconstruction, and new pond construction.in the City of De Pere, Wisconsin. No additional design information was available at the time of proposal preparation.

Scope of Work

PSI can provide the following construction monitoring and testing services, when scheduled by your personnel:

Earthwork

- Observe site stripping to document that unsuitable fills, organic soils and existing building foundations, walls and slabs are removed and that exposed subgrades are suitable for placement of new fill or subbase materials.

- Perform moisture-density relationship testing in accordance with ASTM D698 (Standard Proctor) or ASTM D1557 (Modified Proctor) in order to determine the Proctor maximum dry density and optimum moisture content.
- Document in-place density of compacted fill soils in accordance with ASTM D2922 at the frequencies described in the project documents.

Concrete Observations and Testing

- Perform and document slump testing in accordance with ASTM C143 at the point of discharge for each set of cylinders taken.
- Perform and document air content testing in accordance with ASTM C231 for regular weight concrete.
- Record concrete and air temperature at the time cylinders are taken.
- Cast, cure and test cylinders in accordance with project specifications.
- Transport laboratory cured cylinders to our facilities to be placed in our curing tanks within 24 to 48 hours of casting.

Fees

Professional Service Industries, Inc. proposes to provide the above referenced services on a unit rate basis in accordance with the PSI's Standard Fee Schedule, and pursuant to the General Conditions, which are enclosed herein and considered part of this agreement. PSI's fees will be determined by the actual time expended by our personnel for this project and the amount of field and laboratory testing performed, and therefore directly dependent on the actual construction period, extent of our involvement, and the testing requirements outlined in the project specifications. We request that the field services be scheduled at least 24 hours in advance.

Closing

If this proposal is acceptable, please sign and return one (1) copy of this proposal to PSI. We also ask that you complete and return the attached Project Data Sheet so that we can properly establish your file. **PSI can proceed with services immediately; however, all reports will be withheld until we have received written authorization to proceed and a completed copy of the attached project data sheet.**

PSI appreciates the opportunity to offer its services to your project and looks forward to being of service to you. Meanwhile, if you have any questions or require additional information, please contact our office at (920) 735-1200.

Respectfully submitted,

PROFESSIONAL SERVICE INDUSTRIES, INC.

Electronic Copy
Patrick Bray
Branch Manager

Attachments: Proposal Acceptance Form
City of De Pere Fee Schedule
General Conditions

PROPOSAL ACCEPTANCE:

AGREED TO, THIS _____ **DAY OF** _____ **, 2022**

BY *(please print)*: _____

TITLE: _____

COMPANY: _____

SIGNATURE: _____

PROJECT INFORMATION:

1. Project Name: _____
2. Project Location: _____
3. Your Job No: _____ Purchase Order No.: _____
4. Project Manager: _____ Telephone No.: _____
5. Site Contact: _____ Telephone No.: _____
6. Distribution of Reports:

Name	Email Address	Report Type				
		Soils/ Foundation	Reinforcing Steel	Concrete	Structural Steel	Misc.

7. Invoicing Address: _____
_____
_____
Attn: _____

8. Other Pertinent Information Or Previous Subsurface Information Available:
_____

Proposed Fee Schedule

Company Name: Professional Service Industries, Inc.

Company Address: 3009 Vandenbroek Road

Company Address: Kaukauna, WI 54130

Company Representative: Patrick Bray

Signature: Patrick Bray

CONSTRUCTION MATERIALS AND SOIL TESTING				
Item	**Unit**	**Estimated Quantity**	**Unit Price**	**Total**
Engineering Services				
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Field Technician				
Senior Technician	HR	50	$42.00	$2,100.00
Technician	HR	400	$37.00	$14,800.00
Clerical	HR	50	$25.00	$1,250.00
Mileage	MI	5,000	$0.50	$2,500.00
Distance from Office to City of De Pere – 925 S. Sixth Street	MI			
Laboratory Testing Services				
Standard Proctor	EA	1	$125.00	$125.00
Modified Proctor	EA	10	$150.00	$1,500.00
Concrete Compression Test (Cylinder by Company)	EA	500	$14.00	$7,000.00
Concrete Compression Test (Cylinder by City)	EA	10	$14.00	$140.00
Handling of Backup Cylinders	EA	160	$14.00	$2,240.00
Aggregate Sieve Analysis	EA	10	$50.00	$500.00
Atterberg Limits	EA	1	$75.00	$75.00
Permeability, Granular Soils	EA	1	$275.00	$275.00
Permeability, Cohesive Soils	EA	1	$350.00	$350.00
Field Technician Services				
Sample Pickup	EA	1	$37.00	$37.00
Nuclear Density Gauge	½ DAY	100	$20.00	$2,000.00
Nuclear Density Gauge	DAY	5	$40.00	$200.00

SOIL BORING SERVICES				
Item	**Unit**	**Estimated Quantity**	**Unit Price**	**Total**
Soil Boring				
Mobilization	EA	5	$500.00	$2,500.00
Soil Boring	VF	150	$13.95	$2,092.50
Report	EA	1	$1,000.00	$1,000.00

GENERAL CONDITIONS

1. PARTIES AND SCOPE OF WORK: Professional Service Industries Inc. ("PSI") shall include said company or its particular division, subsidiary or affiliate performing the work. "Work" means the specific service to be performed by PSI as set forth in PSI's proposal, Client's acceptance thereof and these General Conditions. Additional work ordered by Client shall also be subject to these General Conditions. "Client" refers to the person or business entity ordering the work to be done by PSI. If Client is ordering the work on behalf of another, Client represents and warrants that it is the duly authorized agent of said party for the purpose of ordering and directing said work. Unless otherwise stated in writing, Client assumes sole responsibility for determining whether the quantity and the nature of the work ordered by the client is adequate and sufficient for Client's intended purpose. Client shall communicate these General Conditions to each and every third party to whom Client transmits any part of PSI's work. PSI shall have no duty or obligation to any third party greater than that set forth in PSI's proposal, Client's acceptance thereof and these General Conditions. The ordering of work from PSI, or the reliance on any of PSI's work, shall constitute acceptance of the terms of PSI's proposal and these General Conditions, regardless of the terms of any subsequently issued document.

2. TESTS AND INSPECTIONS: Client shall cause all tests and inspections of the site, materials and work performed by PSI or others to be timely and properly performed in accordance with the plans, specifications and contract documents and PSI's recommendations. No claims for loss, damage or injury shall be brought against PSI by Client or any third party unless all tests and inspections have been so performed and unless PSI's recommendations have been followed. Client agrees to indemnify, defend and hold PSI, its officers, employees and agents harmless from any and all claims, suits, losses, costs and expenses, including, but not limited to, court costs and reasonable attorney's fees in the event that all such tests and inspections are not so performed or PSI's recommendations are not so followed.

3. PREVAILING WAGES: This proposal specifically excludes compliance with any project labor agreement, labor agreement, or other union or apprenticeship requirements. In addition, unless explicitly agreed to in the body of this proposal, this proposal specifically excludes compliance with any state or federal prevailing wage law or associated requirements, including the Davis Bacon Act. It is agreed that no applicable prevailing wage classification or wage rate has been provided to PSI, and that all wages and cost estimates contained herein are based solely upon standard, non-prevailing wage rates. Should it later be determined by the Owner or any applicable agency that in fact prevailing wage applies, then it is agreed that the contract value of this agreement shall be equitably adjusted to account for such changed circumstance. Client will reimburse, defend, indemnify and hold harmless PSI from and against any liability resulting from a subsequent determination that prevailing wage regulations cover the Project, including all costs, fines and attorney's fees.

4. SCHEDULING OF WORK: The services set forth in PSI's proposal and Client's acceptance will be accomplished by PSI personnel at the prices quoted. If PSI is required to delay commencement of the work or if, upon embarking upon its work, PSI is required to stop or interrupt the progress of its work as a result of changes in the scope of the work requested by Client, to fulfill the requirements of third parties, interruptions in the progress of construction, or other causes beyond the direct reasonable control of PSI, additional charges will be applicable and payable by Client.

5. ACCESS TO SITE: Client will arrange and provide such access to the site and work as is necessary for PSI to perform the work. PSI shall take reasonable measures and precautions to minimize damage to the site and any improvements located thereon as the result of its work or the use of its equipment.

6. CLIENT'S DUTY TO NOTIFY ENGINEER: Client warrants that it has advised PSI of any known or suspected hazardous materials, utility lines and pollutants at any site at which PSI is to do work, and unless PSI has assumed in writing the responsibility of locating subsurface objects, structures, lines or conduits, Client agrees to defend, indemnify and save PSI harmless from all claims, suits, losses, costs and expenses, including reasonable attorney's fees as a result of personal injury, death or property damage occurring with respect to PSI's performance of its work and resulting to or caused by contact with subsurface or latent objects, structures, lines or conduits where the actual or potential presence and location thereof were not revealed to PSI by Client.

7. RESPONSIBILITY: PSI's work shall not include determining, supervising or implementing the means, methods, techniques, sequences or procedures of construction. PSI shall not be responsible for evaluating, reporting or affecting job conditions concerning health, safety or welfare. PSI's work or failure to perform same shall not in any way excuse any contractor, subcontractor or supplier from performance of its work in accordance with the contract documents. Client agrees that it shall require subrogation to be waived against PSI and for PSI to be added as an Additional Insured on all policies of insurance, including any policies required of Client's contractors or subcontractors, covering any construction or development activities to be performed on the project site. PSI has no right or duty to stop the contractor's work.

8. SAMPLE DISPOSAL: Test specimens will be disposed immediately upon completion of the test. All drilling samples will be disposed sixty (60) days after submission of PSI's report.

9. PAYMENT: The quantities and fees provided in this proposal are PSI's estimate based on information provided by Client and PSI's experience on similar projects. The actual total amount due to PSI shall be based on the actual final quantities provided by PSI at the unit rates provided herein. Where Client directs or requests additional work beyond the contract price it will be deemed a change order and PSI will be paid according to the fee schedule. Client shall be invoiced once each month for work performed during the preceding period. Client agrees to pay each invoice within thirty (30) days of its receipt. Client further agrees to pay interest on all amounts invoiced and not paid or objected to for valid cause in writing within said thirty (30) day period at the rate of eighteen (18) percent per annum (or the maximum interest rate permitted under applicable law), until paid. Client agrees to pay PSI's cost of collection of all amounts due and unpaid after thirty (30) days, including court costs and reasonable attorney's fees. PSI shall not be bound by any provision or agreement requiring or providing for arbitration of disputes or controversies arising out of this agreement, any provision wherein PSI waives any rights to a mechanics' lien, or any provision conditioning PSI's right to receive payment for its work upon payment to Client by any third party. These General Conditions are notice, where required, that PSI shall file a lien whenever necessary to collect past due amounts. Failure to make payment within 30 days of invoice shall constitute a release of PSI from any and all claims which Client may have, whether in tort, contract or otherwise, and whether known or unknown at the time.

10. ALLOCATION OF RISK: CLIENT AGREES THAT PSI'S SERVICES WILL NOT SUBJECT PSI'S INDIVIDUAL EMPLOYEES, OFFICERS OR DIRECTORS TO ANY PERSONAL LIABILITY, AND THAT NOTWITHSTANDING ANY OTHER PROVISION OF THIS AGREEMENT, CLIENT AGREES THAT ITS SOLE AND EXCLUSIVE REMEDY SHALL BE TO DIRECT OR ASSERT ANY CLAIM, DEMAND, OR SUIT ONLY AGAINST PSI.

SHOULD PSI OR ANY OF ITS EMPLOYEES BE FOUND TO HAVE BEEN NEGLIGENT IN THE PERFORMANCE OF ITS WORK, OR TO HAVE MADE AND BREACHED ANY EXPRESS OR IMPLIED WARRANTY, REPRESENTATION OR CONTRACT, CLIENT, ALL PARTIES CLAIMING THROUGH CLIENT AND ALL PARTIES CLAIMING TO HAVE IN ANY WAY RELIED UPON P SI' S WORK AGREE THAT THE MAXIMUM AGGREGATE AMOUNT OF THE LIABILITY OF PSI, ITS OFFICERS, EMPLOYEES AND AGENTS SHALL BE LIMITED TO $25,000.00 OR THE TOTAL AMOUNT OF THE FEE PAID TO PSI FOR ITS WORK PERFORMED ON THE PROJECT, WHICHEVER AMOUNT IS GREATER. IN THE EVENT CLIENT IS UNWILLING OR UNABLE TO LIMIT PS I' S LIABILITY IN ACCORDANCE WITH THE PROVISIONS SET FORTH IN THIS PARAGRAPH, CLIENT MAY, UPON WRITTEN REQUEST OF CLIENT RECEIVED WITHIN FIVE DAYS OF C LI E N T' S ACCEPTANCE HEREOF, INCREASE THE LIMIT OF PS I' S LIABILITY TO $250,000.00 OR THE AMOUNT OF P SI' S FEE PAID TO PSI FOR ITS WORK ON THE PROJECT, WHICHEVER IS THE GREATER, BY AGREEING TO PAY PSI A SUM EQUIVALENT TO AN ADDITIONAL AMOUNT OF 5% OF THE TOTAL FEE TO BE CHARGED FOR P SI' S SERVICES. THIS CHARGE IS NOT TO BE CONSTRUED AS BEING A CHARGE FOR INSURANCE OF ANY TYPE, BUT IS INCREASED CONSIDERATION FOR THE GREATER LIABILITY INVOLVED. IN ANY EVENT, ATTOR NEY'S FEES EXPENDED BY PSI IN CONNECTION WITH ANY CLAIM SHALL REDUCE THE AMOUNT AVAILABLE, AND ONLY ONE SUCH AMOUNT WILL APPLY TO ANY PROJECT.

NEITHER PARTY SHALL BE LIABLE TO THE OTHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE AND BREACH OF STATUTORY DUTY) OR OTHERWISE FOR LOSS OF PROFIT (WHETHER DIRECT OR INDIRECT) OR FOR ANY INDIRECT, CONSEQUENTIAL, PUNITIVE, OR SPECIAL LOSS OR DAMAGE, INCLUDING WITHOUT LIMITATION LOSS OF PROFITS, REVENUE, BUSINESS, OR ANTICIPATED SAVINGS (EVEN WHEN ADVISED OF THEIR POSSIBILITY).

NO ACTION OR CLAIM, WHETHER IN TORT, CONTRACT, OR OTHERWISE, MAY BE BROUGHT AGAINST PSI, ARISING FROM OR RELATED TO P S I'S WORK, MORE THAN TWO YEARS AFTER THE CESSATION OF PSI'S WORK HEREUNDER, REGARDLESS OF THE DATE OF DISCOVERY OF SUCH CLAIM.

11. INDEMNITY: Subject to the above limitations, PSI agrees not to defend but to indemnify and hold Client harmless from and against any and all claims, suits, costs and expenses including reasonable attorney's fees and court costs to the extent arising out of PSI's negligence as finally determined by a court of law. Client shall provide the same protection to the extent of its negligence. In the event that Client or Client's principal shall bring any suit, cause of action, claim or counterclaim against PSI, the Client and the party initiating such action shall pay to PSI the costs and expenses incurred by PSI to investigate, answer and defend it, including reasonable attorney's and witness fees and court costs to the extent that PSI shall prevail in such suit.

12. TERMINATION: This Agreement may be terminated by either party upon seven days' prior written notice. In the event of termination, PSI shall be compensated by Client for all services performed up to and including the termination date, including reimbursable expenses.

13. EMPLOYEES/WITNESS FEES: PSI's employees shall not be retained as expert witnesses except by separate, written agreement. Client agrees to pay PSI's legal expenses, administrative costs and fees pursuant to PSI's then current fee schedule for PSI to respond to any subpoena. For a period of one year after the completion of any work performed under this agreement, Client agrees not to solicit, recruit, or hire any PSI employee or person who has been employed by PSI within the previous twelve months. In the event Client desires to hire such an individual, Client agrees that it shall seek the written consent of PSI and shall pay PSI an amount equal to one- half of the employee's annualized salary, without PSI waiving other remedies it may have.

14. FIDUCIARY: PSI is not a financial advisor, does not provide financial advice or analysis of any kind, and nothing in our reports can create a fiduciary relationship
between PSI and any other party.

15. RECORDING: Photographs or video recordings of the Client's own project may be taken by and used for the Client's own internal purposes. Photographs or video recordings may not be used for marketing or publicity or distributed to a third party or otherwise published without PSI's prior review and consent in writing. Taking photographs of other Clients' samples, test setups, or facilities, or recording in any manner any test specimen other than the test specimen related to the Client's project is prohibited; and the Client agrees to hold in strict confidence and not use any proprietary information disclosed either advertently or inadvertently. The Client shall defend, hold harmless, and indemnify PSI for any breach of this clause.

16. CHOICE OF LAW AND EXCLUSIVE VENUE: All claims or disputes arising or relating to this agreement shall be governed by, construed, and enforced in accordance with the laws of Illinois. The exclusive venue for all actions or proceedings arising in connection with this agreement shall be either the Circuit Court in Cook County, Illinois, or the Federal Court for the Northern District of Illinois.

17. PROVISIONS SEVERABLE: The parties have entered into this agreement in good faith, and it is the specific intent of the parties that the terms of these General Conditions be enforced as written. In the event any of the provisions of these General Conditions should be found to be unenforceable, it shall be stricken, and the remaining provisions shall be enforceable.

18. ENTIRE AGREEMENT: This agreement constitutes the entire understanding of the parties, and there are no representations, warranties or undertakings made other than as set forth herein. This agreement may be amended, modified or terminated only in writing, signed by each of the parties hereto.

AMERICAN ENGINEERING TESTING, INC.

CONSULTANTS
· ENVIRONMENTAL
· GEOTECHNICAL
· MATERIALS
· FORENSICS

January 18, 2022

Mr. Eric Rackers, P.E.
City Engineer, City of De Pere

City of De Pere
925 South Sixth Street
De Pere, Wisconsin 54115

RE: Proposal for Geotechnical Services/Construction Materials Consulting
2022 Construction Season
City of De Pere

Dear Mr. Rackers:

On behalf of American Engineering Testing Inc. (AET) we are pleased to submit our proposal for geotechnical services and construction materials consulting for 2022. We are submitting the proposal in response to your Request for Proposal dated December 28, 2021.

Our project team strives to function as an extension of our clients through close cooperation and understanding of their specific needs and objectives. Our staff will work closely with you over the next year to assist the City in meeting your objectives and goals regarding construction materials and geotechnical services.

We look forward to providing consulting services to you.

Sincerely,
American Engineering Testing, Inc.

Zachary Kaup
Project Manager

Enclosures

AMERICAN ENGINEERING TESTING, INC.

Proposal for Material Testing
Services City of De Pere – 2022

Firm and Firm Representation

American Engineering Testing, Inc.
3194 Market Street, Suite D
Green Bay, Wisconsin 54304
www.amengtest.com
Phone: (920) 347-1286

I, Zachary P. Kaup, hereby certify that I am entitled to represent the firm.

January 18, 2022

Zachary P. Kaup
Project Manager

General Information

AET is a geotechnical and material testing engineering firm licensed to provide engineering services by the State of Wisconsin Attorney General (License No. 2832-11). AET currently operates 17 offices and has a staff of over 400 individuals across the Upper Midwest. In Wisconsin, AET operates out of three offices; Green Bay, Wausau, and Chippewa Falls. The services for the 2022 City of De Pere Material Testing contract will be provided from our office in Green Bay.

Statement of Qualification

AET is an employee-owned corporation providing geotechnical, environmental, materials and forensics consulting and testing services to public and private sector clients in a broad spectrum of industries. AET has also provided professional consulting services to municipalities over the Upper Midwest for over 30 years. We have worked as the City of Green Bay's construction materials testing consultant since 2012.

Our staff is supported by a strong commitment to keep pace with advancing technology, and is equipped with a full array of computer, testing, and data gathering equipment, all linked by an extensive computer network.

Our staff demonstrates their personal and professional commitment through involvement in community groups, professional organizations, and the organizations that support growth and development of technology in the engineering and planning professions.

Project Description

The City of De Pere is planning capital improvements throughout 2022. Based on our experience and our review of the Request For Proposal (RFP), we understand the construction materials testing and geotechnical services programs generally covers the following services:

- Backfill Testing – Testing backfill for sewer/water trenches, roadway construction, and structural fill. These tests will be performed on an on-call basis and could include sieve analysis, laboratory Proctor tests, and field density tests.

- Subbase and Base Course Testing – This service is performed on an on-call basis and could include sieve analysis, laboratory Proctor tests, and field density tests.

- Construction Inspection/Observation – This work may include review of subgrade soils exposed for pavement or building foundations, observation of proof rolling operations, pile driving inspection, and inspection prior to and during structural concrete placements. This work will be on an as-needed basis.

- Concrete Testing – This service may consist of:

    1. Concrete testing during placement as requested. Work shall be performed by an ACI Certified Concrete Technician (and/or WisDOT PCCTech I) and shall consist of casting cylinders, slump tests, air content, concrete temperature, and visual observation of placement.

    2. Compressive strength testing of concrete cylinders at 7 and 28 days or as requested.

    3. Compressive strength testing of masonry and mortar/grout cubes.

    4. Ready-mix concrete batch plant inspections.

- Asphalt Pavement Testing – This service may consist of asphalt extraction and asphalt content tests, and sieve analysis of aggregate for asphalt pavement samples to check the material conforms with the project specifications. Other related services may be requested to include; laboratory Marshall density testing, field density testing, and air void analysis. The frequency of testing will vary on a project-by-project basis and will be as requested.

- Specialty Testing and Consulting

    1. Ground Penetrating Radar (GPR) – AET can provide the City with GPR services to locate in-slab concrete reinforcement, including post-tension cables.

    2. Professional Consulting – AET staff can meet with City staff, aid with training, and provide support in staff development. AET also has professional staff with years of experience and can consult on a wide range of construction material products and geotechnical matters.

    3. Structural Steel Testing – This service consists on non-destructive testing of welds and bolted connections on existing and new structural components. We also provide inspection/testing of shop fabrication. The frequency of testing would vary on a project-by-project basis and will be as requested.

Project Experience and References

- Contacts: Ms. Jennifer McCartney
  City of Green Bay
  Green Bay, Wisconsin
  (920) 448-3093

  Ms. Kristin Romanowicz
  (920) 265-9638

  2012-2021 Construction Materials Testing – City of Green Bay, Wisconsin

- Contact: Mr. Sean Gehin
  Village of Allouez
  Green Bay, Wisconsin
  (920) 448-2802

  2019-2021 Field and Laboratory Quality Control Testing – Village of Allouez, Wisconsin

Key Personnel

Our laboratory is Wisconsin DOT-qualified and our materials engineers and technicians are certified by agencies such as the American Concrete Institute (ACI), the American Welding Society (AWS), and the Wisconsin Highway Technician Certification program for aggregate, concrete, soil, and asphalt testing as well as concrete and asphalt mix design.

Laboratory and field testing will be performed by our staff of qualified technicians. Field testing and sample/cylinder pick-ups would be performed by technicians who are available at the time.

AMERICAN ENGINEERING TESTING, INC.

The following is a list of our key Green Bay office personnel and titles. AET billing falls under engineer and technician categories based on title. Billing rates are provided in the fee schedule located on pages 7 and 8 of this proposal.

Andrew Walters, P.E. – Manager / Engineer
Zachary Kaup – Project Manager / Sr. Engineering Technician
Jonathan Humphrey – Engineering Technician II
Joseph Bittner – Engineering Technician II
Glenn Dionne, CWI – Sr. Engineering Technician

Subcontractors

For the services under this contract, AET will not markup subcontracting costs. At this time, no subcontracting services are expected to be needed. If a City project would require services we do not generally perform, we would obtain quotes for these services and present them to the City for approval.

Additional Services

In addition to the services described in the RFP, AET also offers the following non-routine engineering services.

Ground Penetrating Radar – Pavement and Forensic Analysis

Ground Penetrating Radar (GPR) offers a non-destructive means of pavement thickness analysis without coring or probing. GPR is a pulse-echo method for measuring depths where material types change. With GPR we can determine the thickness of existing pavement conditions, depth to utilities, and depth to reinforcing steel.

Falling Weight Deflectometer

The Falling Weight Deflectometer (FWD) is a cost-effective method for the evaluation of pavement and pavement subgrade parameters. The pavement, base, and subgrade response data obtained is utilized in AASHTO's most recent, Mechanistic-Empirical Pavement Design procedures for design of new pavement structures and rehabilitation of existing pavement structures. It is typically used in conjunction with GPR and selective soil borings.

Vibration Monitoring

AET has self-recording seismographs to monitor the ground and structure vibrations from construction operations (pile driving, pavement demolition, soil compaction) and traffic on pavement. With our ReMi micro seismic equipment we can determine the shear wave velocity in soil and use this parameter to calculate the dynamic shear modulus (G) and settlement of structures.

AMERICAN ENGINEERING TESTING, INC.

Petrographic Analysis

Petrographic Analysis allows us to identify the reasons of problems with concrete, such as; alkali-silica reaction (ASR), alkali carbonate reaction (ACR), cracking, delamination, low strength, spalling, pop-outs, and fire damage. We can also determine the cement content and water-cement ratio at the time of placement of cured concrete.

On-Call Approach

Our staff consists of engineers, technicians, and administrative assistants. This diverse staff offers the City of De Pere a degree of flexibility and versatility for City projects. Based on our experience, we understand construction schedules are constantly changing and pride ourselves on being able to meet the City's needs. The Public Works and Engineering Department staff will be encouraged to call one person, Zach Kaup, for all scheduling needs.

Upon initial contact, we will match up the City's response needs with appropriate personnel. The selected personnel will come equipped with personal protective equipment, field instruments and testing equipment. With our office located on the City of Green Bay's southwest side near HWY's 41 and 172, we are within minutes of any project in the City of De Pere.

We will be able to respond to requests for testing services relatively quickly, depending on technician availability. We request the City give as much notice as possible when requesting field testing or sampling. We typically consider a minimum 24-hour notice to be reasonable during the height of the construction season.

Rates

The attached rates presented are portal-to-portal with expenses and equipment rentals being additional. AET provides additional services not listed here; we appreciate any request for additional services and can provide pricing for those services upon request.

Please note, overtime rate for personnel is charged plus 25% for over 8 hours (single day) or Saturday; and at personnel rate plus 50% for work Sundays and legal holidays.

The unit prices provided will be in effect through the contract duration, December 31, 2022.

Turn-Around / Reports

Standard laboratory testing turn-around varies based on the requested test. Most of the testing requested by the City can be completed within 48 hours.

AET provides verbal test results on site to the City's designated representative, and if approved, directly to the contractor. AET will prepare a Daily Field Report (DFR) documenting attendance at a given project and detailing the tasks performed. A typed DFR will be submitted to the City along with field data collected. Laboratory test reports will be prepared as tests are completed. AET reports are distributed in electronic format (PDF) through our online Construction Hive. The Construction Hive is a personalized database an assigned user has control of to search, forward, download, or print selected reports.

Terms and Conditions

The terms and conditions will be per the Agreement for Services between the City of De Pere and American Engineering Testing, Inc

See our 'On-Call Approach' section for discussion on scheduling services.

Construction Safety

The contractors on the City project must provide labor and facilities for safe access to the work areas to be tested or observed. AET will not be held responsible for injuries to AET personnel or others due to unsafe site conditions, improper operation of equipment by contractors, or lack of safe access to test locations.

The contractors must comply with the latest OSHA regulations for trench excavation and safety, and general construction site safety. Their regulations require a contractor to assign a "competent person" on the site during trenching operations to determine safe slopes for excavations. AET cannot direct the contractors' personnel or work, and we cannot assume the responsibility for safety.

AMERICAN ENGINEERING TESTING, INC.

Acceptance

Please indicate your acceptance of this proposal by endorsing one the enclosed copies and returning it to us.

If you have questions regarding this proposal, please contact us.

Sincerely,

American Engineering Testing, Inc.

Zachary Kaup
Project Manager

Attachments: Proposed Fee Schedule

PROPOSAL ACCEPTED BY:

Signature: _____

Printed Name: _____

Title: _____

Date: _____

Proposed Fee Schedule

Company Name: American Engineering Testing, Inc.

Local Office Address: 3194 Market Street, Suite D, Green Bay, WI 54304

Corporate Office Address: 550 Cleveland Avenue North, St. Paul, MN 55114

Company Representative: Zach Kaup – Project Manager

Signature:

CONSTRUCTION MATERIALS AND SOIL TESTING				
Item	**Unit**	**Estimated Quantity**	**Unit Price**	**Total**
Engineering Services				
Project Manager	HR	10	$90.00	$900.00
Project Engineer	HR	10	$90.00	$900.00
Staff Engineer	HR	50	$90.00	$4,500.00
Field Technician				
Senior Technician	HR	50	$65.00	$3,250.00
Technician	HR	400	$55.00	$22,000.00
Clerical	HR	50	$40.00	$2,000.00
Mileage	MI	5,000	$0.70	$3,500.00
Distance from Office to City of De Pere – 925 S. Sixth Street	MI	1.7		
Laboratory Testing Services				
Standard Proctor	EA	1	$115.00	$115.00
Modified Proctor	EA	10	$140.00	$1,400.00
Concrete Compression Test (Cylinder by Company)	EA	500	$15.00	$7,500.00
Concrete Compression Test (Cylinder by City)	EA	10	$15.00	$150.00
Handling of Backup Cylinders	EA	160	$15.00	$2,400.00
Aggregate Sieve Analysis	EA	10	$90.00	$900.00
Atterberg Limits	EA	1	$90.00	$90.00
Permeability, Granular Soils	EA	1	$290.00	$290.00
Permeability, Cohesive Soils	EA	1	$425.00	$425.00
Field Technician Services				
Sample Pickup	EA	1	$55.00	$55.00
Nuclear Density Gauge	½ DAY	100	$20.00	$2,000.00
Nuclear Density Gauge	DAY	5	$40.00	$200.00

SOIL BORING SERVICES				
Item	**Unit**	**Estimated Quantity**	**Unit Price**	**Total**
Soil Boring				
Mobilization	EA	5	$500.00	$2,500.00
Soil Boring	VF	150	$18.00	$2,700.00
Traffic Control Requiring Flaggers	HR	N/A	$175.00	---
Report	EA	1	$1,100.00	$1,100.00

ECS MIDWEST, LLC
"Setting the Standard for Service"
Geotechnical • Construction Materials • Environmental • Facilities

January 5, 2022

Mr. Eric Rakers, P.E.
City Engineer
City of De Pere
925 S. Sixth Street
De Pere, WI 54115

ECS Proposal No: 59:4027

Re: Soil Testing Services – 2022 Construction
City of De Pere, Wisconsin

Mr. Rakers:

ECS Midwest, LLC appreciates the opportunity to develop our relationship with the City of De Pere by providing geotechnical engineering and construction materials consulting services to support your 2022 projects. We feel ECS has the requisite capabilities, knowledge, and resources to successfully perform the City of De Pere's geotechnical and construction materials consulting services. By choosing ECS to perform consulting services for your projects in 2022, you will be working with a trusted partner who is very knowledgeable of your construction practices, methods, and specifications.

ECS brings to your projects a depth and quality of resources typically found in a large national firm combined with the personalization of service delivery and flexibility of a small local firm. These attributes in conjunction with our ability to tailor quality and risk management methodology provides you with a strong value proposition that maximizes your probability of success and minimizes your risk.

We look forward to working with you on your projects. Please note that the attached "Proposed Fee Schedule" and "TERMS AND CONDITIONS OF SERVICE" are a part of this proposal. Should you have any questions regarding this letter, attached rates, or would like to schedule our services, please contact myself or Mr. Mark King in our Green Bay office at (920) 347-9040.

Respectfully submitted,

Troy Vetort, P.E.
Construction Materials Department Manager

Proposed Fee Schedule

Company Name: ECS Midwest, LLC

Company Address: 1280 Parkview Road

Company Address: Green Bay, WI 54304

Company Representative: Troy Vetort, P.E.

Signature:

CONSTRUCTION MATERIALS AND SOIL TESTING				
Item	**Unit**	**Estimated Quantity**	**Unit Price**	**Total**
Engineering Services				
Project Manager	HR	10	$95.00	$950.00
Project Engineer	HR	10	$125.00	$1,250.00
Staff Engineer	HR	50	$65.00	$3,250.00
Field Technician				
Senior Technician	HR	50	$50.00	$2,500.00
Technician	HR	400	$45.00	$18,000.00
Clerical	HR	50	$35.00	$1,750.00
Mileage	MI	5,000	$0.65	$3,250.00
Distance from Office to City of De Pere – 925 S. Sixth Street	MI	4		
Laboratory Testing Services				
Standard Proctor	EA	1	$130.00	$130.00
Modified Proctor	EA	10	$150.00	$1,500.00
Concrete Compression Test (Cylinder by Company)	EA	500	$13.00	$6,500.00
Concrete Compression Test (Cylinder by City)	EA	10	$23.00	$130.00
Handling of Backup Cylinders	EA	160	$5.00	$800.00
Aggregate Sieve Analysis	EA	10	$70.00	$700.00
Atterberg Limits	EA	1	$65.00	$65.00
Permeability, Granular Soils	EA	1	$275.00	$275.00
Permeability, Cohesive Soils	EA	1	$300.00	$300.00
Field Technician Services				
Sample Pickup	EA	1	$15.00	$15.00
Nuclear Density Gauge	½ DAY	100	$25.00	$2,500.00
Nuclear Density Gauge	DAY	5	$50.00	$250.00

SOIL BORING SERVICES				
Item	**Unit**	**Estimated Quantity**	**Unit Price**	**Total**
Soil Boring				
Mobilization	EA	5	$400.00	$2,000.00
Soil Boring	VF	150	$17.00	$2,550.00
Report	EA	1	$1,300.00	$1,300.00

ECS MIDWEST, LLC
TERMS AND CONDITIONS OF SERVICE

The professional services (the "Services") to be provided by ECS MIDWEST, LLC ["ECS"] pursuant to the Proposal shall be provided in accordance with these Terms and Conditions of Service ("Terms"), including any addenda as may be incorporated or referenced in writing shall form the Agreement between ECS and Client.

1.0 INDEPENDENT CONSULTANT STATUS - ECS shall serve as an independent professional consultant to CLIENT for Service on the Project, identified above, and shall have control over, and responsibility for, the means and methods for providing the Services identified in the Proposal, including the retention of Subcontractors and Subconsultants

2.0 SCOPE OF SERVICES - It is understood that the fees, reimbursable expenses and time schedule defined in the Proposal are based on information provided by CLIENT and/or CLIENT'S contractors and consultants. CLIENT acknowledges that if this information is not current, is incomplete or inaccurate, if conditions are discovered that could not be reasonably foreseen, or if CLIENT orders additional services, the scope of services will change, even while the Services are in progress.

3.0 STANDARD OF CARE

3.1 **In fulfilling its obligations and responsibilities enumerated in the Proposal, ECS shall be expected to comply with and its performance evaluated in light of the standard of care expected of professionals in the industry performing similar services on projects of like size and complexity at that time in the region (the "Standard of Care"). Nothing contained in the Proposal, the agreed-upon scope of Services, these Terms and Conditions of Service or any ECS report, opinion, plan or other document prepared by ECS shall constitute a warranty or guaranty of any nature whatsoever.**

3.2 CLIENT understands and agrees that ECS will rely on the facts learned from data gathered during performance of Services as well as those facts provided by the CLIENT. CLIENT acknowledges that such data collection is limited to specific areas that are sampled, bored, tested, observed and/or evaluated. Consequently, CLIENT waives any and all claims based upon erroneous facts provided by the CLIENT, facts subsequently learned or regarding conditions in areas not specifically sampled, bored, tested, observed or evaluated by ECS.

3.3 If a situation arises that causes ECS to believe compliance with CLIENT'S directives would be contrary to sound engineering practices, would violate applicable laws, regulations or codes, or will expose ECS to legal claims or charges, ECS shall so advise CLIENT. If ECS' professional judgment is rejected, ECS shall have the right to terminate its Services in accordance with the provisions of Section 25.0, below.

3.4 If CLIENT decides to disregard ECS' recommendations with respect to complying with applicable Laws or Regulations, ECS shall determine if applicable law requires ECS to notify the appropriate public officials. CLIENT agrees that such determinations are ECS' sole right to make.

4.0 CLIENT DISCLOSURES

4.1 Where the Scope of Services requires ECS to penetrate a Site surface, CLIENT shall furnish and/or shall direct CLIENT'S consultant(s) or agent(s) to furnish ECS information identifying the type and location of utility lines and other man-made objects known, suspected, or assumed to be located beneath or behind the Site's surface. ECS shall be entitled to rely on such information for completeness and accuracy without further investigation, analysis, or evaluation.

4.2 "Hazardous Materials" shall include but not be limited to any substance that poses or may pose a present or potential hazard to human health or the environment whether contained in a product, material, by-product, waste, or sample, and whether it exists in a solid, liquid, semi-solid or gaseous form. CLIENT shall notify ECS of any known, assumed, or suspected regulated, contaminated, or other similar Hazardous Materials that may exist at the Site prior to ECS mobilizing to the Site.

4.3 If any Hazardous Materials are discovered, or are reasonably suspected by ECS after its Services begin, ECS shall be entitled to amend the scope of Services and adjust its fees to reflect the additional work or personal protective equipment and/or safety precautions required by the existence of such Hazardous Materials.

5.0 INFORMATION PROVIDED BY OTHERS - CLIENT waives, releases and discharges ECS from and against any claim for damage, injury or loss allegedly arising out of or in connection with errors, omissions, or inaccuracies in documents and other information in any form provided to ECS by CLIENT or CLIENT's agents, contractors, or consultants, including such information that becomes incorporated into ECS documents.

6.0 CONCEALED RISKS - CLIENT acknowledges that special risks are inherent in sampling, testing and/or evaluating concealed conditions that are hidden from view and/or neither readably apparent nor easily accessible, *e.g.*, subsurface conditions, conditions behind a wall, beneath a floor, or above a ceiling. Such circumstances require that certain assumptions be made regarding existing conditions, which may not be verifiable without expending additional sums of money or destroying otherwise adequate or serviceable portions of a building or component thereof. Accordingly, ECS shall not be responsible for the verification of such conditions unless verification can be made by simple visual observation. Client agrees to bear any and all costs, losses, damages and expenses (including, but not limited to, the cost of ECS' Additional Services) in any way arising from or in connection with the existence or discovery of such concealed or unknown conditions.

7.0 RIGHT OF ENTRY/DAMAGE RESULTING FROM SERVICES

7.1 CLIENT warrants that it possesses the authority to grant ECS right of entry to the Site for the performance of Services. CLIENT hereby grants ECS and its subcontractors and/or agents, the right to enter from time to time onto the property in order for ECS to perform its Services. CLIENT agrees to indemnify and hold ECS harmless from any claims arising from allegations that ECS trespassed or lacked authority to access the Site.

7.2 CLIENT warrants that it possesses all necessary permits, licenses and/or utility clearances for the Services to be provided by ECS except where ECS' Proposal explicitly states that ECS will obtain such permits, licenses, and/or utility clearances.

7.3 ECS will take reasonable precautions to limit damage to the Site and its improvements during the performance of its Services. CLIENT understands that the use of exploration, boring, sampling, or testing equipment may cause minor, but common, damage to the Site. The correction and restoration of such common damage is CLIENT'S responsibility unless specifically included in ECS' Proposal.

7.4 CLIENT agrees that it will not bring any claims for liability or for injury or loss against ECS arising from (i) procedures associated with the exploration, sampling or testing activities at the Site, (ii) discovery of Hazardous Materials or suspected Hazardous Materials, or (iii) ECS' findings, conclusions, opinions, recommendations, plans, and/or specifications related to discovery of contamination.

8.0 UNDERGROUND UTILITIES

8.1 ECS shall exercise the Standard of Care in evaluating client-furnished information as well as information readily and customarily available from public utility locating services (the "Underground Utility Information") in its effort to identify underground utilities. The extent of such evaluations shall be at ECS' sole discretion.

8.2 CLIENT recognizes that the Underground Utility Information provided to or obtained by ECS may contain errors or be incomplete. CLIENT understands that ECS may be unable to identify the locations of all subsurface utility lines and man-made features.

8.3 CLIENT waives, releases, and discharges ECS from and against any claim for damage, injury or loss allegedly arising from or related to subterranean structures (pipes, tanks, cables, or other utilities, etc.) which are not called to ECS' attention in writing by CLIENT, not correctly shown on the Underground Utility Information and/or not properly marked or located by the utility owners, governmental or quasi-governmental locators, or private utility locating services as a result of ECS' or ECS' subcontractor's request for utility marking services made in accordance with local industry standards.

9.0 SAMPLES

9.1 Soil, rock, water, building materials and/or other samples and sampling by-products obtained from the Site are and remain the property of CLIENT. Unless other arrangements are requested by CLIENT and mutually agreed upon by ECS in writing, ECS will retain samples not consumed in laboratory testing for up to sixty (60) calendar days after the issuance of any document containing data obtained from such samples. Samples consumed by laboratory testing procedures will not be stored.

9.2 Unless CLIENT directs otherwise, and excluding those issues covered in Section 10.0, CLIENT authorizes ECS to dispose of CLIENT'S non-hazardous samples and sampling or testing process by-products in accordance with applicable laws and regulations.

10.0 ENVIRONMENTAL RISKS

10.1 When Hazardous Materials are known, assumed, suspected to exist, or discovered at the Site, ECS will endeavor to protect its employees and address public health, safety, and environmental issues in accordance with the Standard of Care. CLIENT agrees to compensate ECS for such efforts.

10.2 When Hazardous Materials are known, assumed, or suspected to exist, or discovered at the Site, ECS and/or ECS' subcontractors will exercise the Standard of Care in containerizing and labeling such Hazardous Materials in accordance with applicable laws and regulations, and will leave the containers on Site. CLIENT is responsible for the retrieval, removal, transport and disposal of such contaminated samples, and sampling process byproducts in accordance with applicable law and regulation.

10.3 Unless explicitly stated in the Scope of Services, ECS will neither subcontract for nor arrange for the transport, disposal, or treatment of Hazardous Materials. At CLIENT'S written request, ECS may assist CLIENT in identifying appropriate alternatives for transport, off-site treatment, storage, or disposal of such substances, but CLIENT shall be solely responsible for the final selection of methods and firms to provide such services. CLIENT shall sign all manifests for the disposal of substances affected by contaminants and shall otherwise exercise prudence in arranging for lawful disposal.

10.4 In those instances where ECS is expressly retained by CLIENT to assist CLIENT in the disposal of Hazardous Materials, samples, or wastes as part of the Proposal, ECS shall do so only as CLIENT'S agent (notwithstanding any other provision of this AGREEMENT to the contrary). ECS will not assume the role of, nor be considered a generator, storer, transporter, or disposer of Hazardous Materials.

10.5 Subsurface sampling may result in unavoidable cross-contamination of certain subsurface areas, as when a probe or excavation/boring device moves through a contaminated zone and links it to an aquifer, underground stream, pervious soil stratum, or other hydrous body not previously contaminated, or connects an uncontaminated zone with a contaminated zone. Because sampling is an essential element of the Services indicated herein, CLIENT agrees this risk cannot be eliminated. Provided such services were performed in accordance with the Standard of Care, CLIENT waives, releases and discharges ECS from and against any claim for damage, injury, or loss allegedly arising from or related to such cross-contamination.

10.6 CLIENT understands that a Phase I Environmental Site Assessment (ESA) is conducted solely to permit ECS to render a professional opinion about the likelihood of the site having a Recognized Environmental Condition on, in, beneath, or near the Site at the time the Services are conducted. No matter how thorough a Phase I ESA study may be, findings derived from its conduct are highly limited and ECS cannot know or state for an absolute fact that the Site is unaffected or adversely affected by one or more Recognized Environmental Conditions. CLIENT represents and warrants that it understands the limitations associated with Phase I ESAs.

11.0 OWNERSHIP OF DOCUMENTS

11.1 ECS shall be deemed the author and owner (or licensee) of all documents, technical reports, letters, photos, boring logs, field data, field notes, laboratory test data, calculations, designs, plans, specifications, reports, or similar documents and estimates of any kind furnished by it [the "Documents of Service"] and shall retain all common law, statutory and other reserved rights, including copyrights. CLIENT shall have a limited, non-exclusive license to use copies of the Documents of Service provided to it in connection with the Project for which the Documents of Service are provided until the completion of the Project.

11.2 ECS' Services are performed and Documents of Service are provided for the CLIENT'S sole use. CLIENT understands and agrees that any use of the Documents of Service by anyone other than the CLIENT, it's licensed consultants and its contractors is not permitted. CLIENT further agrees to indemnify and hold ECS harmless for any errors, omissions or damage resulting from its contractors' use of ECS' Documents of Service.

11.3 CLIENT agrees to not use ECS' Documents of Service for the Project if the Project is subsequently modified in scope, structure or purpose without ECS' prior written consent. Any reuse without ECS' written consent shall be at CLIENT'S sole risk and without liability to ECS or to ECS' subcontractor(s). CLIENT agrees to indemnify and hold ECS harmless for any errors, omissions or damage resulting from its use of ECS' Documents of Service after any modification in scope, structure or purpose.

11.4 CLIENT agrees to not make any modification to the Documents of Service without the prior written authorization of ECS. To the fullest extent permitted by law, CLIENT agrees to indemnify, defend, and hold ECS harmless from any damage, loss, claim, liability or cost (including reasonable attorneys' fees and defense costs) arising out of or in connection with any unauthorized modification of the Documents of Service by CLIENT or any person or entity that acquires or obtains the Documents of Service from or through CLIENT. CLIENT represents and warrants that the Documents of Service shall be used only as submitted by ECS.

12.0 SAFETY

12.1 Unless expressly agreed to in writing in its Proposal, CLIENT agrees that ECS shall have no responsibility whatsoever for any aspect of site safety other than for its own employees. Nothing herein shall be construed to relieve CLIENT and/or its contractors, consultants or other parties from their responsibility for site safety. CLIENT also represents and warrants that the General Contractor is solely responsible for Project site safety and that ECS personnel may rely on the safety measures provided by the General Contractor.

12.2 In the event ECS assumes in writing limited responsibility for specified safety issues, the acceptance of such responsibilities does not and shall not be deemed an acceptance of responsibility for any other non-specified safety issues, including, but not limited to those relating to excavating, trenching, shoring, drilling, backfilling, blasting, or other construction activities.

13.0 CONSTRUCTION TESTING AND REMEDIATION SERVICES

13.1 CLIENT understands that construction testing and observation services are provided in an effort to reduce, but cannot eliminate, the risk of problems arising during or after construction or remediation. CLIENT agrees that the provision of such Services does not create a warranty or guarantee of any type.

13.2 Monitoring and/or testing services provided by ECS shall not in any way relieve the CLIENT'S contractor(s) from their responsibilities and obligations for the quality or completeness of construction as well as their obligation to comply with applicable laws, codes, and regulations.

13.3 ECS has no responsibility whatsoever for the means, methods, techniques, sequencing or procedures of construction selected, for safety precautions and programs incidental to work or services provided by any contractor or other consultant. ECS does not and shall not have or accept authority to supervise, direct, control, or stop the work of any contractor or consultant or any of their subcontractors or subconsultants.

13.4 ECS strongly recommends that CLIENT retain ECS to provide construction monitoring and testing services on a full time basis to lower the risk of defective or incomplete Work being installed by CLIENT'S contractor(s). If CLIENT elects to retain ECS on a part time basis for any aspect of construction monitoring and/or testing, CLIENT accepts the risks that a lower level of construction quality may occur and that defective or incomplete work may result and not be detected by ECS' part time monitoring and testing. Unless the CLIENT can show that the error or omission is contained in ECS' reports, CLIENT waives, releases and discharges ECS from and against any other claims for errors, omissions, damages, injuries, or loss alleged to arise from defective or incomplete work that was monitored or tested by ECS on a part time basis. Except as set forth in the preceding sentence, CLIENT agrees to indemnify and hold ECS harmless from all damages, costs, and attorneys' fees, for any claims alleging errors, omissions, damage, injury or loss allegedly resulting from Work that was monitored or tested by ECS on a part time basis.

14.0 CERTIFICATIONS - CLIENT may request, or governing jurisdictions may require, ECS to provide a "certification" regarding the Services provided by ECS. Any "certification" required of ECS by the CLIENT or jurisdiction(s) having authority over some or all aspects of the Project shall consist of ECS' inferences and professional opinions based on the limited sampling, observations, tests, and/or analyses performed by ECS at discrete locations and times. Such "certifications" shall constitute ECS' professional opinion of a condition's existence, but ECS does not guarantee that such condition exists, nor does it relieve other parties of the responsibilities or obligations such parties have with respect to the possible existence of such a condition. CLIENT agrees it cannot make the resolution of any dispute with ECS or payment of any amount due to ECS contingent upon ECS signing any such "certification."

15.0 BILLINGS AND PAYMENTS

15.1 Billings will be based on the unit rates, plus travel costs, and other reimbursable expenses as stated in the Professional Fees section of the Proposal. Any Estimate of Professional Fees stated in these Terms shall not be considered as a not-to-exceed or lump sum amount unless otherwise explicitly stated. CLIENT understands and agrees that even if ECS agrees to a lump sum or not-to-exceed amount, that amount shall be limited to number of hours, visits, trips, tests, borings, or samples stated in the Proposal.

15.2 CLIENT agrees that all Professional Fees and other unit rates shall be adjusted annually to account for inflation based on the most recent 12-month average of the Consumer Price Index (CPI-U) for all items as established by www.bls.gov when the CPI-U exceeds an annual rate of 2.0%.

15.3 Should ECS identify a Changed Condition(s), ECS shall notify the CLIENT of the Changed Condition(s). ECS and CLIENT shall promptly and in good faith negotiate an amendment to the Scope of Services, Professional Fees, and time schedule.

15.4 CLIENT recognizes that time is of the essence with respect to payment of ECS' invoices, and that timely payment is a material consideration for this agreement. All payment shall be in U.S. funds drawn upon U.S. banks and in accordance with the rates and charges set forth in the Professional Fees. Invoices are due and payable upon receipt.

15.5 If CLIENT disputes all or part of an invoice, CLIENT shall provide ECS with written notice stating in detail the facts of the dispute within fifteen (15) calendar days of the invoice. CLIENT agrees to pay the undisputed amount of such invoice promptly.

15.6 ECS reserves the right to charge CLIENT an additional charge of one-and-one-half (1.5) percent (or the maximum percentage allowed by Law, whichever is lower) of the invoiced amount per month for any payment received by ECS more than thirty (30) calendar days from the date of the invoice, excepting any portion of the invoiced amount in dispute. All payments will be applied to accrued interest first and then to the unpaid principal amount. Payment of invoices shall not be subject to unilateral discounting or set-offs by CLIENT.

15.7 CLIENT agrees that its obligation to pay for the Services is not contingent upon CLIENT'S ability to obtain financing, zoning, approval of governmental or regulatory agencies, permits, final adjudication of a lawsuit, CLIENT'S successful completion of the Project, settlement of a real estate transaction, receipt of payment from CLIENT'S client, or any other event unrelated to ECS provision of Services. Retainage shall not be withheld from any payment, nor shall any deduction be made from any invoice on account of penalty, liquidated damages, or other sums incurred by CLIENT. It is agreed that all costs and legal fees including actual attorney's fees, and expenses incurred by ECS in obtaining payment under this Agreement, in perfecting or obtaining a lien, recovery under a bond, collecting any delinquent amounts due, or executing judgments, shall be reimbursed by CLIENT.

15.8 Unless CLIENT has provided notice to ECS in accordance with Section 16.0 of these Terms, payment of any invoice by the CLIENT shall mean that the CLIENT is satisfied with ECS' Services and is not aware of any defects in those Services.

16.0 DEFECTS IN SERVICE

16.1 CLIENT, its personnel, its consultants, and its contractors shall promptly inform ECS during active work on any project of any actual or suspected defects in the Services so to permit ECS to take such prompt, effective remedial measures that in ECS' opinion will reduce or eliminate the consequences of any such defective Services. The correction of defects attributable to ECS' failure to perform in accordance with the Standard of Care shall be provided at no cost to CLIENT. However, ECS shall not be responsible for the correction of any deficiency attributable to CLIENT- furnished information, the errors, omissions, defective materials, or improper installation of materials by CLIENT's personnel, consultants or contractors, or work not observed by ECS. CLIENT shall compensate ECS for the costs of correcting such defects.

16.2 Modifications to reports, documents and plans required as a result of jurisdictional reviews or CLIENT requests shall not be considered to be defects. CLIENT shall compensate ECS for the provision of such Services.

17.0 INSURANCE - ECS represents that it and its subcontractors and subconsultants maintain Workers Compensation insurance, and that ECS is covered by general liability, automobile and professional liability insurance policies in coverage amounts it deems reasonable and adequate. ECS shall furnish certificates of insurance upon request. The CLIENT is responsible for requesting specific inclusions or limits of coverage that are not present in ECS insurance package. The cost of such inclusions or coverage increases, if available, will be at the expense of the CLIENT.

18.0 LIMITATION OF LIABILITY

18.1 CLIENT AGREES TO ALLOCATE CERTAIN RISKS ASSOCIATED WITH THE PROJECT BY LIMITING ECS' TOTAL LIABILITY TO CLIENT ARISING FROM ECS' PROFESSIONAL LIABILITY, I.E. PROFESSIONAL ACTS, ERRORS, OR OMISSIONS AND FOR ANY AND ALL CAUSES INCLUDING NEGLIGENCE, STRICT LIABILITY, BREACH OF CONTRACT, OR BREACH OF WARRANTY, INJURIES, DAMAGES, CLAIMS, LOSSES, EXPENSES, OR CLAIM EXPENSES (INCLUDING REASONABLE ATTORNEY'S FEES) RELATING TO PROFESSIONAL SERVICES PROVIDED UNDER THIS AGREEMENT TO THE FULLEST EXTENT PERMITTED BY LAW. THE ALLOCATION IS AS FOLLOWS.

18.1.1 If the proposed fees are $10,000 or less, ECS' total aggregate liability to CLIENT shall not exceed $20,000, or the total fee received for the services rendered, whichever is greater.

18.1.2 If the proposed fees are in excess of $10,000, ECS' total aggregate liability to CLIENT shall not exceed $50,000, or two (2) times the total fee for the services rendered, whichever is greater.

18.2 CLIENT agrees that ECS shall not be responsible for any injury, loss or damage of any nature, including bodily injury and property damage, arising directly or indirectly, in whole or in part, from acts or omissions by the CLIENT, its employees, agents, staff, consultants, contractors, or subcontractors to the extent such injury, damage, or loss is caused by acts or omissions of CLIENT, its employees, agents, staff, consultants, contractors, subcontractors or person/entities for whom CLIENT is legally liable.

18.3 CLIENT agrees that ECS' liability for all non-professional liability arising out of this agreement or the services provided as a result of the Proposal be limited to $500,000.

19.0 INDEMNIFICATION

19.1 Subject Section 18.0, ECS agrees to hold harmless and indemnify CLIENT from and against damages arising from ECS' negligent performance of its Services, but only to

the extent that such damages are found to be caused by ECS' negligent acts, errors or omissions, (specifically excluding any damages caused by any third party or by the CLIENT.) ECS does not waive any limitations it may have on its liability under the Illinois Workers Compensation Act, or any other statute.

19.2 To the fullest extent permitted by Law, CLIENT agrees to indemnify, and hold ECS harmless from and against any and all liability, claims, damages, demands, fines, penalties, costs and expenditures (including reasonable attorneys' fees and costs of litigation defense and/or settlement) ["Damages"] caused in whole or in part by the negligent acts, errors, or omissions of the CLIENT or CLIENT'S employees, agents, staff, contractors, subcontractors, consultants, and clients, provided such Damages are attributable to: (a) the bodily injury, personal injury, sickness, disease and/or death of any person; (b) the injury to or loss of value to tangible personal property; or (c) a breach of these Terms. The foregoing indemnification shall not apply to the extent such Damage is found to be caused by the sole negligence, errors, omissions or willful misconduct of ECS.

19.3 It is specifically understood and agreed that in no case shall ECS be required to pay an amount of Damages disproportional to ECS' culpability. **IF CLIENT IS A HOMEOWNER, HOMEOWNERS' ASSOCIATION, CONDOMINIUM OWNER, CONDOMINIUM OWNER'S ASSOCIATION, OR SIMILAR RESIDENTIAL OWNER, ECS RECOMMENDS THAT CLIENT RETAIN LEGAL COUNSEL BEFORE ENTERING INTO THIS AGREEMENT TO EXPLAIN CLIENT'S RIGHTS AND OBLIGATIONS HEREUNDER, AND THE LIMITATIONS, AND RESTRICTIONS IMPOSED BY THIS AGREEMENT. CLIENT AGREES THAT FAILURE OF CLIENT TO RETAIN SUCH COUNSEL SHALL BE A KNOWING WAIVER OF LEGAL COUNSEL AND SHALL NOT BE ALLOWED ON GROUNDS OF AVOIDING ANY PROVISION OF THIS AGREEMENT.**

19.4 **IF CLIENT IS A RESIDENTIAL BUILDER OR RESIDENTIAL DEVELOPER, CLIENT SHALL INDEMNIFY AND HOLD HARMLESS ECS AGAINST ANY AND ALL CLAIMS OR DEMANDS DUE TO INJURY OR LOSS INITIATED BY ONE OR MORE HOMEOWNERS, UNIT-OWNERS, OR THEIR HOMEOWNER'S ASSOCIATION, COOPERATIVE BOARD, OR SIMILAR GOVERNING ENTITY AGAINST CLIENT WHICH RESULTS IN ECS BEING BROUGHT INTO THE DISPUTE.**

19.5 **IN NO EVENT SHALL THE DUTY TO INDEMNIFY AND HOLD ANOTHER PARTY HARMLESS UNDER THIS SECTION 19.0 INCLUDE THE DUTY TO DEFEND.**

20.0 CONSEQUENTIAL DAMAGES

20.1 CLIENT shall not be liable to ECS and ECS shall not be liable to CLIENT for any consequential damages incurred by either due to the fault of the other or their employees, consultants, agents, contractors or subcontractors, regardless of the nature of the fault or whether such liability arises in breach of contract or warranty, tort, statute, or any other cause of action. Consequential damages include, but are not limited to, loss of use and loss of profit.

20.2 ECS shall not be liable to CLIENT, or any entity engaged directly or indirectly by CLIENT, for any liquidated damages due to any fault, or failure to act, in part or in total by ECS, its employees, agents, or subcontractors.

21.0 SOURCES OF RECOVERY

21.1 All claims for damages related to the Services provided under this agreement shall be made against the ECS Entity contracting with the CLIENT for the Services, and no other person or entity. CLIENT agrees that it shall not name any affiliated entity including parent, peer, or subsidiary entity or any individual officer, director, or employee of ECS, specifically including its professional engineers and geologists.

21.2 In the event of any dispute or claim between CLIENT and ECS arising out of in connection with the Project and/or the Services, CLIENT and ECS agree that they will look solely to each other for the satisfaction of any such dispute or claim. Moreover, notwithstanding anything to the contrary contained in any other provision herein, CLIENT and ECS' agree that their respective shareholders, principals, partners, members, agents, directors, officers, employees, and/or owners shall have no liability whatsoever arising out of or in connection with the Project and/or Services provided hereunder. In the event CLIENT brings a claim against an affiliated entity, parent entity, subsidiary entity, or individual officer, director or employee in contravention of this Section 21, CLIENT agrees to hold ECS harmless from and against all damages, costs, awards, or fees (including attorneys' fees) attributable to such act.

22.0 THIRD PARTY CLAIMS EXCLUSION - CLIENT and ECS agree that the Services are performed solely for the benefit of the CLIENT and are not intended by either CLIENT or ECS to benefit any other person or entity. To the extent that any other person or entity is benefited by the Services, such benefit is purely incidental and such other person or entity shall not be deemed a third party beneficiary to the AGREEMENT. No third-party shall have the right to rely on ECS' opinions rendered in connection with ECS' Services without written consent from both CLIENT and ECS, which shall include, at a minimum, the third-party's agreement to be bound to the same Terms and Conditions contained herein and third-party's agreement that ECS' Scope of Services performed is adequate.

23.0 DISPUTE RESOLUTION

23.1 In the event any claims, disputes, and other matters in question arising out of or relating to these Terms or breach thereof (collectively referred to as "Disputes"), the parties shall promptly attempt to resolve all such Disputes through executive negotiation between senior representatives of both parties familiar with the Project. The parties shall arrange a mutually convenient time for the senior representative of each party to meet. Such meeting shall occur within fifteen (15) days of either party's written request for executive negotiation or as otherwise mutually agreed

Should this meeting fail to result in a mutually agreeable plan for resolution of the Dispute, CLIENT and ECS agree that either party may bring litigation.

23.2 CLIENT shall make no claim (whether directly or in the form of a third-party claim) against ECS unless CLIENT shall have first provided ECS with a written certification executed by an independent engineer licensed in the jurisdiction in which the Project is located, reasonably specifying each and every act or omission which the certifier contends constitutes a violation of the Standard of Care. Such certificate shall be a precondition to the institution of any judicial proceeding and shall be provided to ECS thirty (30) days prior to the institution of such judicial proceedings.

23.3 Litigation shall be instituted in a court of competent jurisdiction in the county or district in which ECS' office contracting with the CLIENT is located. The parties agree that the law applicable to these Terms and the Services provided pursuant to the Proposal shall be the laws of the Commonwealth of Virginia, but excluding its choice of law rules. Unless otherwise mutually agreed to in writing by both parties, CLIENT waives the right to remove any litigation action to any other jurisdiction. Both parties agree to waive any demand for a trial by jury.

24.0 CURING A BREACH

24.1 A party that believes the other has materially breached these Terms shall issue a written cure notice identifying its alleged grounds for termination. Both parties shall promptly and in good faith attempt to identify a cure for the alleged breach or present facts showing the absence of such breach. If a cure can be agreed to or the matter otherwise resolved within thirty (30) calendar days from the date of the termination notice, the parties shall commit their understandings to writing and termination shall not occur.

24.2 Either party may waive any right provided by these Terms in curing an actual or alleged breach; however, such waiver shall not affect future application of such provision or any other provision.

25.0 TERMINATION

25.1 CLIENT or ECS may terminate this agreement for breach or these terms, non-payment, or a failure to cooperate. In the event of termination, the effecting party shall so notify the other party in writing and termination shall become effective fourteen (14) calendar days after receipt of the termination notice.

25.2 Irrespective of which party shall effect termination, or the cause therefore, ECS shall promptly render to CLIENT a final invoice and CLIENT shall immediately compensate ECS for Services rendered and costs incurred including those Services associated with termination itself, including without limitation, demobilizing, modifying schedules, and reassigning personnel.

26.0 TIME BAR TO LEGAL ACTION - Unless prohibited by law, and notwithstanding any Statute that may provide additional protection, CLIENT and ECS agree that a lawsuit by either party alleging a breach of this agreement, violation of the Standard of Care, non-payment of invoices, or arising out of the Services provided hereunder, must be initiated in a court of competent jurisdiction no more than two (2) years from the time the party knew, or should have known, of the facts and conditions giving rise to its claim, and shall under no circumstances shall such lawsuit be initiated more than three (3) years from the date of substantial completion of ECS' Services.

27.0 ASSIGNMENT - CLIENT and ECS respectively bind themselves, their successors, assigns, heirs, and legal representatives to the other party and the successors, assigns, heirs and legal representatives of such other party with respect to all covenants of these Terms. Neither CLIENT nor ECS shall assign these Terms, any rights thereunder, or any cause of action arising therefrom, in whole or in part, without the written consent of the other. Any purported assignment or transfer, except as permitted above, shall be deemed null, void and invalid, the purported assignee shall acquire no rights as a result of the purported assignment or transfer and the non-assigning party shall not recognize any such purported assignment or transfer.

28.0 SEVERABILITY - Any provision of these Terms later held to violate any law, statute, or regulation, shall be deemed void, and all remaining provisions shall continue in full force and effect. CLIENT and ECS shall endeavor to quickly replace a voided provision with a valid substitute that expresses the intent of the issues covered by the original provision.

29.0 SURVIVAL - All obligations arising prior to the termination of the agreement represented by these Terms and all provisions allocating responsibility or liability between the CLIENT and ECS shall survive the substantial completion of Services and the termination of the agreement.

30.0 TITLES; ENTIRE AGREEMENT

30.1 The titles used herein are for general reference only and are not part of the Terms and Conditions.

30.2 These Terms and Conditions of Service together with the Proposal, including all exhibits, appendixes, and other documents appended to it, constitute the entire agreement between CLIENT and ECS. CLIENT acknowledges that all prior understandings and negotiations are superseded by this agreement.

30.3 CLIENT and ECS agree that subsequent modifications to the agreement represented by these shall not be binding unless made in writing and signed by authorized representatives of both parties.

30.4 All preprinted terms and conditions on CLIENT'S purchase order, Work Authorization, or other service acknowledgement forms, are inapplicable and superseded by these Terms and Conditions of Service.

30.5 CLIENT's execution of a Work Authorization, the submission of a start work authorization (oral or written) or issuance of a purchase order constitutes CLIENT's acceptance of this Proposal and its agreement to be fully bound the foregoing Terms. If CLIENT fails to provide ECS with a signed copy of these Terms or the attached Work Authorization, CLIENT agrees that by authorizing and accepting the services of ECS, it will be fully bound by these Terms as if they had been signed by CLIENT.

< END OF TERMS AND CONDITIONS OF SERVICE >

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**March 7, 2022**
DEPARTMENT:	**Engineering**
FROM:	**Eric Rakers**
SUBJECT:	**Consideration and possible action on Quote for 2022 Box Culvert Inspection***

ATTACHMENTS:

- 2022 0307 CI_BOPW_Box_Culvert_RFP_Award (PDF)
- 2022 0127 Box Culvert RFP (PDF)
- Project Overview Map(PDF)
- 2022 0127 CE_RM_RFP_Box_Culvert Fee Sheets (PDF)
- 2022 0127 CE_GRAEF_RFP_Box_Culvert_Fee Sheets (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric P. Rakers, P.E., City Engineer
Date: March 7, 2022

RE: **Consideration and possible action on Quote for 2022 Box Culvert Inspection***

The City of De Pere received proposals to investigate the condition of a 1,826 foot long, by 5-foot high, by 7-foot wide, box culvert that runs from Grant Street (CTH EE), just west of S. Sixth Street northward and eastward to the Fox River. A section of this box culvert includes a 12" sanitary sewer running inside. The box culvert was last repaired in 1997. This item has been in the budget for several years but was not feasible due to the elevation of the Fox River.

The summary of the estimated cost for the inspection of the box culvert and associated sanitary sewer is as follows:

Consultant	Estimate
Ruekert & Mielke	$61,650.50
Graef	$65,258.00

The City also requested proposals from Ayres Associates, Becher Hoppe, Cedar Corporation, and raSmith. Each of these firms indicated they wouldn't be submitting a proposal with exception of Becher Hoppe, who never responded.

Information from this investigation will be used to budget potential repairs and for the design of those repairs. The design is not included in this proposal.

There is $60,000 funded for this project in the Capital Improvement Program. The storm water utility is funding $40,000 and the remaining $20,000 is coming from the sewage revenue fund. The additional $1,650.50 will come from the sewage revenue fund.

The staff recommendation is to accept the proposal from Ruekert & Mielke for the 2022 Concrete Box Culvert Inspection.

Attachments:

2022 0127 Box Culvert RFP (PDF)
Project Overview Map (PDF)
2022 0127 GRAEF_Concrete_Box_Culvert_Inspection (PDF)
2022 0127 RM_Concrete_Box_Culvert_Inspection (PDF)

Request for Proposals
For
2022 Concrete Box Culvert Inspection

The City of De Pere is seeking proposals to investigate the condition of an 1,826 foot long, by 5-foot high, by 7-foot wide, box culvert that runs from Grant Street (CTH EE), just west of S. Sixth Street northward and eastward to the Fox River.

The City will negotiate design services for fiscal year 2023 if repair is required.

Your proposal must be submitted to our office by Thursday, February 3 at 3 pm. Proposals can be submitted via e-mail to Eric Rakers at erakers@deperewi.gov.

GENERAL INFORMATION:

The City owns and maintains a 1,826 foot long, by 5-foot high, by 7-foot wide, box culvert that runs from Grant Street (CTH EE), just west of S. Sixth Street northward and eastward to the Fox River. This sewer services approximately 325 acres on the west side of De Pere. The service area is primarily residential with pockets of institution (West De Pere High School), park, and industrial uses. The water elevation in the sewer is often governed by the Fox River and will sit partially full when the Bay of Green Bay water levels are high or at times of high southerly winds.

The sewer crosses under two buildings in the western downtown area:

1. Nicolet Condominiums at 555 Main Avenue. This is a three story, 31 unit structure with underground parking and a pool.
2. Christ the Rock Community Church at 556 Main Avenue.

Starting at Grant Street the sewer also houses a 12-inch sanitary sewer along its western/ northern wall northward and eastward for approximately 1,365 feet.
This sewer was last inspected and repaired in 1997. Previous inspections by others have revealed numerous areas of deteriorated concrete on the walls and ceiling of the box culvert. In 1997, approximately 135 feet south of Grant Street, 380 feet of the box culvert had the top and side wall removed and was lined with a 48-inch storm sewer pipe in the bottom portion of the box culvert, embedded with aggregate material (see attached exhibits). The lined portion of the sewer shall be inspected under this request for proposals as well.

SCOPE OF SERVICES:

The selected firm will be responsible for entering the box culvert to visually inspect and complete the following:

A. Review record drawings pertaining to the previous repair of the sewer.
B. Perform a detailed inspection of the interior surface of the box culvert documenting the condition noted and the locations at which deterioration is observed.
C. Televise both the concrete box culvert and the sanitary sewer located within the storm sewer.
D. Test as necessary to determine the condition of the line. The tests should include rebound hammer tests, R-meter tests, soundings with a rock hammer, tests to determine the general pH levels within the concrete, and observations with a fiberscope.
E. Remove six (6) core samples from the concrete of the box culvert. The core samples would be used for chemical and petrographic analyses and compressive strength tests of the concrete.
F. Perform a structural analysis of the box culvert based on existing deteriorated conditions to determine what effect the deterioration has had on the load carrying capacity of the sewer.
G. Prepare a report of findings that would include:
    1. The results of the inspection, chemical and petrographic analyses, compressive strength tests, and structural analysis.
    2. Discussion of the condition of the box culvert, including feasible repair alternatives with general cost estimates for each.

MEETINGS

The consultant should include three meetings in the proposal as follows:

- Kickoff meeting.
- Preliminary findings meeting after inspection to discuss the identified repairs needed and the most effective course of action to address any deterioration observed.

The selected firm may be required to attend a Board of Public Works Meeting to go over the results of the inspection and discuss the condition of the box culvert and selected repair alternatives.

The majority of correspondence and review will be completed via e-mail.

SCHEDULING:

This proposal will be taken to the Board of Public Works for consideration and approval on March 7, 2022. Sewer inspection and testing shall be completed by August 31, 2022.

INSURANCE:

Your company shall effect and maintain insurance to protect from claims under workmen's compensation acts; claims for damages because of bodily injury including personal injury, sickness or disease, or death of any of the company's employees; and from claims for damages because of injury to or destruction of tangible property including loss of use resulting there from; and from claims arising out of the performance of professional services caused by any errors, omissions or negligent acts for which the company is legally liable.

The company shall indemnify and save harmless the City of De Pere and their representatives from all suits, actions, or claims of any character brought for or on account of any injuries or damages received by any person, persons or property resulting from the negligent acts of the company or of any of their sub-consultants in prosecuting the work.

FEE:

A fee schedule has been included for use on your proposal.

DELIVERY:

The deliverables for the project include the following:

- Photographs of observed deterioration in JPG format.
- Sewer televising videos in a MP4 format.
- Sewer televising reports in a PDF format.
- Report of observed deterioration and recommended repairs in a Microsoft Word document.
- Testing results in PDF format.
- An engineer's estimate of the anticipated repairs and associated costs in a Microsoft Excel spreadsheet.

ADDITIONAL INFORMATION:

City personnel are not trained for confined space entry and are unable to assist with the sewer inspection. The City will provide the following to the consultant for the inspection of the sewer:

- The box culvert inspection completed in 1997 by Brander Construction Technology, Inc.
- Electrical power via trailer generator for coring of concrete.
- Traffic control and lane closure permitting to provide access to the box culvert.
- Bulkheading and dewatering of the box culvert to allow for inspection and access.

A sample consultant agreement is attached.

Proposed Fee Schedule

Company Name:_____

Company Address:_____

Company Address:_____

Company Representative:_____

Signature:_____

Fee (Total):_____

Item	Description	Quantity	Unit	Unit Price	Amount
A. Meetings					
A-1	Kickoff Meeting	1	LS	$	$
A-2	Preliminary Findings Meeting	1	LS	$	$
A-3	Board of Public Works Meeting (If Needed)	1	LS	$	$
B. Inspection and Testing					
B-1	Interior Inspection of Box Culvert (Not 48" Relayed Sewer)	1,446	LF	$	$
B-2	Televising of the Concrete Box Culvert	1,446	LF	$	$
B-3	Televising of the 48" Relayed Storm Sewer	380	LF	$	$
B-4	Televising of the sanitary sewer in the Box Culvert	1,365	LF	$	$
B-5	Core Samples (As Needed)	6	EA	$	$
B-6	Chemical & Petrographic Analysis (As Needed)	6	EA	$	$
B-7	Compressive Strength Tests (As Needed)	6	EA	$	$
B-8	Inspection and Testing Findings Report	1	LS	$	$
B-9	Mileage	200	MI	$	$
				TOTAL	$

AGREEMENT FOR SERVICES BETWEEN THE
CITY OF DE PERE AND _____(CONSULTANT NAME)_____
(Project Name)

THIS AGREEMENT made and entered into this ___ day of _____, 2022, by and between the City of De Pere, a Wisconsin municipal corporation ("City"), and _____ _____("Consultant").

WITNESSETH

WHEREAS, the City is in need of_____(project description)_____ _____; and

WHEREAS, the Consultant has available and offers to provide qualified personnel and facilities necessary to accomplish the work within the required timeframe.

NOW THEREFORE, City and Consultant agree as follows:

I. DESCRIPTION OF PROJECT

The project is as described in the __(date)__ City Request for Proposals (Exhibit A) and Consultant's Proposal thereto dated (date) (Exhibit B), both of which are attached hereto and incorporated by reference. If a conflict exists between Exhibit A and Exhibit B, the terms of Exhibit A shall prevail. If there is a conflict between the terms and conditions of Exhibit A and this Agreement, the terms of this Agreement shall prevail. No standard terms or conditions of Consultant's Proposal are incorporated into this Agreement unless such term is specifically written into the Agreement.

If, during the course of performing the work, City and Consultant agree that it is necessary to make changes in the project as described in the exhibits, such changes will be incorporated into this Agreement only by written amendment, signed by the parties.

II. SCOPE OF CONSULTING SERVICES

Consultant agrees to perform those services described in Exhibits A and B. Any change to the scope of services as identified therein shall be defined in writing and authorized by both parties prior to performing such work. Such writing shall include the scope of work to be done, schedule for commencing and completing the work and the basis for compensation for such work.

SAMPLE

III. SCOPE OF CITY SERVICES

City agrees to provide the Consultant items such as existing plans, standard specifications, and other information concerning the project that may be applicable in the design of the project, as are available.

IV. AUTHORIZATION, PROGRESS, AND COMPLETION

In signing this Agreement, the City grants the Consultant specific authorization to proceed with the work described herein.

For special services, the authorization by the City shall be in writing and shall include the definition of the work to be done, the schedule for commencing and completing the work, and the basis for compensation for the work, all as agreed upon by the City and the Consultant.

V. OWNERSHIP AND FORM OF DOCUMENTS

All documents created, maintained or received during the course of this Agreement, including those in electronic form, shall be deemed the property of City and Consultant shall not be considered the owner of any such document nor shall the Consultant retain any common law, statutory, or other right therein, including copyright, patent, or trademark. To that end, Consultant agrees to and hereby does assign and transfer to City all rights, title, and other interests in such drawings, specifications, or other documents, which rights shall include copyright, trademark, or patent rights therein, unless City fails to pay Consultant for such drawings, specifications and other documents, in which case the ownership and all rights shall revert to the Consultant.

City hereby grants Consultant a non-exclusive license to use the documents created pursuant to this Agreement, including any standard details used herein.

Consultant acknowledges that, as the Consultant to City, a Wisconsin municipality, Wis. Stats. §19.36(3) applies to it and records produced by it pursuant to this contract are subject to the public records law to the extent they would otherwise be if maintained by the City. Consultant agrees that, within 10 business days of a written request of City, it shall forward to City any such contract or records maintained by Consultant as are requested by City. Such records shall be in the format requested by City provided that such records are kept and maintained in that format. City shall reimburse Consultant for its reasonable costs incurred in complying with this paragraph.

Consultant further agrees to indemnify the City from all costs City incurs should Consultant fail to comply with these requirements.

SAMPLE

VI. CONFIDENTIALITY OF INFORMATION

Consultant understands that, during the course of work under this contract, Consultant may become privy to confidential information of City. Consultant shall maintain the confidentiality of all information specifically designated confidential by City unless withholding such information would violate the law, create a significant harm to the public, or create a risk of significant harm to the public.

VII. TIME FOR COMPLETION

The parties hereto agree that time is of the essence in completion of the project. Should Consultant encounter any circumstances, which, in the Consultant's opinion, will delay their response time, Consultant shall so inform the City as soon as the delay in response time is known.

VIII. COMPENSATION

The City agrees to pay, and the Consultant agrees to accept, compensation as identified in Exhibit B, to be paid in a lump sum at the conclusion of the work. Payment to the Consultant is due upon receipt of invoice by the City. Compensation for special services shall be as agreed upon by the City and Consultant and set forth in the written authorization for special services.

IX. RESPONSIBILITY OF CONSULTANT

The Consultant is employed to render a professional service only, and any payments made to the Consultant are compensation solely for such services rendered and recommendations made in carrying out the work. The Consultant shall follow the practice of its profession to make findings, opinions, factual presentations, and professional advice and recommendations, consistent with the standard of care expected of professionals in the industry performing similar services on projects of like size and complexity.

X. NON-DISCRIMINATION

The Consultant agrees that, in performing under this Agreement with the City, it will not discriminate against any employee, applicant for employment or any other person or member of the public on the basis of age, race, creed, color, disability, marital status, sex, national origin, ancestry, arrest record, conviction record, military service, use or non-use of lawful products off the employer's premises during nonworking hours, declining to attend a meeting or to participate in any communication about religious matters or political matters, or any other basis provided under Wis. Stats. §111.321.

XI. INSURANCE

A. The Consultant shall maintain during the life of the Agreement, the following

SAMPLE

minimum public liability and property damage insurance to cover claims for injuries, including accidental death, as well as from claims for property damages which may arise from the performance of work under the Agreement as stated below:

1. Comprehensive general liability insurance, including personal injury liability, blanket contractual liability and broad form property damage liability. The combined single limit for bodily injury and property damage shall not be less than $1,000,000; with additional umbrella liability insurance coverage for a total of not less than $2,000,000.

2. Automobile bodily injury and property damage liability insurance covering owned, non-owned, rented and hired cars. The combined single limit for bodily injury and property damage shall be not less than $1,000,000.

3. Statutory workers compensation and employers' liability insurance as required by the state having jurisdiction.

4. Professional liability insurance covering damages resulting from errors and omissions of the Consultant. The limit of liability shall be $1,000,000 or the total consultant's fee on the project, whichever is greater.

B. Proof of Insurance. The Consultant shall furnish the City with a Certificate of Insurance and additional insured endorsement countersigned by a Wisconsin Resident Agent or Authorized Representative of the insurer indicating that the Consultant meets the insurance requirements identified above. The Certificate of Insurance shall include a provision prohibiting cancellation of said policies except upon 30 days' prior written notice to the City and shall name the City as an additional insured under Consultant's general and professional liability policies for the specific contract or project covered. A copy of the Certificate of Insurance and endorsement shall be delivered to the City prior to execution of the agreement for final approval.

XII. ALLOCATION OF RISKS

To the fullest extent permitted by law, the Consultant shall indemnify and hold harmless the City, City's officers, directors, partners, and employees from and against any and all costs, losses, and damages (including, but not limited to all fees and charges of engineers, architects, attorneys, and other professionals, and all court or arbitration or other dispute resolution costs) caused by the negligent acts or omissions of Consultant or Consultant's officers, directors, partners, employees, and Consultant's Consultants in the performance and furnishing of Consultant's services under this Agreement.

To the fullest extent permitted by law, Consultant's total liability to City and anyone claiming by, through or under City for any cost, loss or damages caused in part by the negligence of Consultant or Consultant's subcontractor and in part by the negligence of City or

SAMPLE

any other negligent entity or individual, shall not exceed the percentage share that Consultant's or Consultant's subcontractor negligence bears to the total negligence of City, Consultant and all other negligent entities and individuals.

XIII. SUBCONTRACTS

The Consultant shall obtain the written consent of the City prior to subcontracting any portion of the work to be performed under this project. The Consultant shall be responsible to the City for the actions of person and firms performing subcontract work.

XIV. ASSIGNMENT

This Agreement is binding on the heirs, successors, and assigns of the parties hereto. This Agreement is not to be assigned by either the City or Consultant without the prior written consent of the other.

XV. INTEGRATION

This Agreement represents the entire understanding of the City and Consultant as to those matters contained herein. No prior oral or written understanding shall be of any force or effect with respect to those matters covered hereunder. This Agreement may not be modified or altered except in writing signed by both parties.

XVI. JURISDICTION

This Agreement shall be administered and interpreted under the laws of the State of Wisconsin. Jurisdiction of litigation arising from this Agreement shall be in that state. If any part of this Agreement is found to be in conflict with applicable laws, such part shall be inoperative, null and void insofar as it is in conflict with said laws, but the remainder of this Agreement shall be in full force and effect.

XVII. SUSPENSION OF WORK

The City may suspend, in writing, all or a portion of the work under this Agreement in the event unforeseen circumstances beyond the control of the Consultant make normal progress in the performance of the work impossible. The Consultant may request that work be suspended by notifying the City, in writing, of circumstances which are interfering with normal progress of the work. If agreed, the time for completion of the work shall be extended by the number of days the work is suspended. In the event that the period of suspension exceeds 90 days, the terms of this Agreement are subject to renegotiation and both parties are granted the option to terminate work on the suspended portion of the project in accordance with Article XVIII.

SAMPLE

XVIII. TERMINATION OF WORK

The City may terminate all or a portion of the work covered by this Agreement for its convenience. Either the City or the Consultant may terminate work in the event the other party fails to perform in accordance with the provisions of this Agreement. Termination of this Agreement is accomplished by 15 days prior written notice from the party initiating termination to the other. Notice of termination shall be delivered by certified mail with receipt for delivery returned to the sender.

In the event of termination, the Consultant shall perform such additional work as is necessary for the orderly filing of documents and closing of the project. The additional time for filing and closing shall not exceed 10 percent of the total time expended on the completed portion of the project prior to the effective date of termination.

The Consultant shall be compensated for the completed portion of the work on the basis of work actually performed prior to the effective date of termination plus the work required for filing and closing. Charges for the latter work are subject to the 10 percent limitation described in this Article.

XIX. MEDIATION

All claims, disputes and other matters in question between the parties of this Agreement arising out of or relating to this Agreement or breach thereof, which are not disposed of by mutual agreement of the parties, shall be subject to mediation as a condition precedent to the institution of legal proceedings by either party. If such claim, dispute or other matter involves a lien arising out of the Consultant's services, the Consultant may proceed in accordance with applicable law to comply with lien notice and filing deadlines prior to resolution of the matter by mediation.

The City and Consultant shall attempt to resolve claims, disputes and other matters in question between them by mediation. A request for mediation shall be filed in writing with the other party to this Agreement. The request may be made concurrently with the filing of a civil action, but mediation shall proceed in advance of legal proceedings.

The parties shall share the mediator's and any filing fees equally. The mediation shall be held in the place where the Project is located, unless another location is mutually agreed upon. Agreements reached in mediation shall be enforceable as settlement agreements in any court having jurisdiction thereof.

XX. NOTICES

Any notification required or needed under the contract shall be sent via First Class Mail to the following:

SAMPLE

If to City:

If to Consultant:

IN WITNESS WHEREOF, the parties hereto have made and executed this Agreement as of the day and year first above written.

(COMPANY NAME) CITY OF DE PERE, WISCONSIN

By: _____ By: _____
Name: _____ James G. Boyd, Mayor

By: _____ By:_____
Name: _____ Carey E. Danen, City Clerk

J:\Law\Agreements\Consultant Agreement Template1-5-22.docx

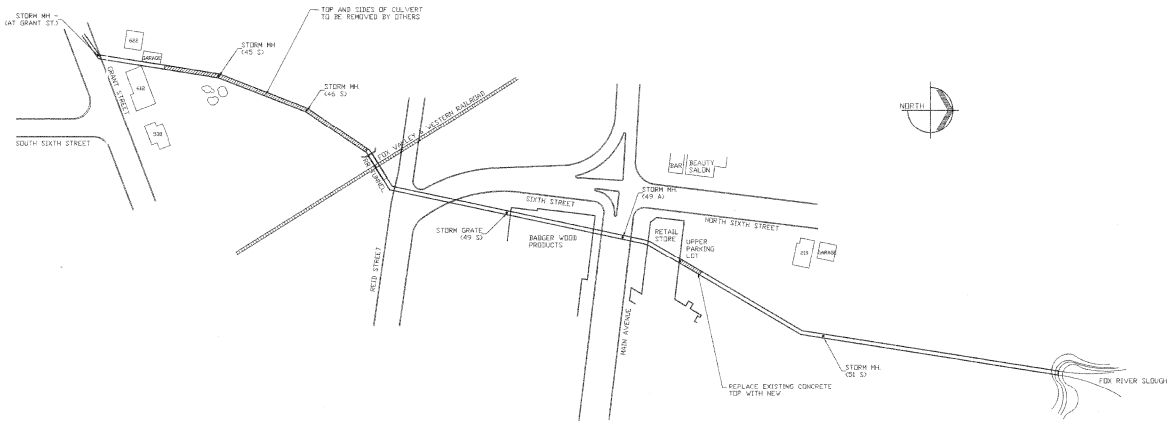
SAMPLE

CITY OF DE PERE

Public Works - Engineering Department

925 S. Sixth Street, De Pere, WI 54115 | 920-339-4061 | www.de-pere.org

X:\ENG\Correspondence\General\2022\2022 Concrete Box Culvert Inspection\Project Overview Map.docx



BOX CULVERT LAYOUT

SCALE: 1" = 80'

GENERAL NOTES:

1. REPAIR THE INSIDE SURFACE OF THE BOX CULVERT AS SHOWN. (251 S.F.) REFERENCE DWG SHEETS S3 THRU S8.
2. REMOVE AND REPLACE A 41' SECTION OF THE 8" THICK BOX CULVERT TOP. (349 S.F.) REFERENCE DWG SHEETS S6 AND S8.
3. REPAIR AN APPROX. 3" WIDE CRACK IN THE MASONRY SECTION OF THE CULVERT UNDER THE RAILROAD TRACKS. REFERENCE DWG SHEETS S4 AND S8.
4. REFERENCE PLANS AND DETAILS FOR GENERAL AREAS REQUIRING REPAIRS, DETAILS AND SPECIFICATIONS FOR REPAIR PROCEDURE.

C	0	CONTRACTOR	PRM
A	0	OWNER	PRM

CODE	REV.	ISSUED TO				BY
A		PRELIMINARY	C	BIDS-CONTRAC	E	CONSTRUCTION
B		DESIGN/REVIEW	D	FABRICATION	F	AS-BUILT

REV. NO.	DATE	DESCRIPTION	BY

THESE DRAWINGS IS AN INSTRUMENT DESIGNED TO FACILITATE THE WORK UNDER THE PROJECT NUMBER INDICATED. IS THE PROPERTY OF BRANDER CONSTRUCTION TECHNOLOGY, INC. AND IS NOT TO BE USED FOR OTHER WORK, EXCEPT BY WRITTEN AGREEMENT WITH BRANDER CONSTRUCTION TECH. (CTI), INC.
© COPYRIGHT 1996 BRANDER CONSTRUCTION TECHNOLOGY, INC.

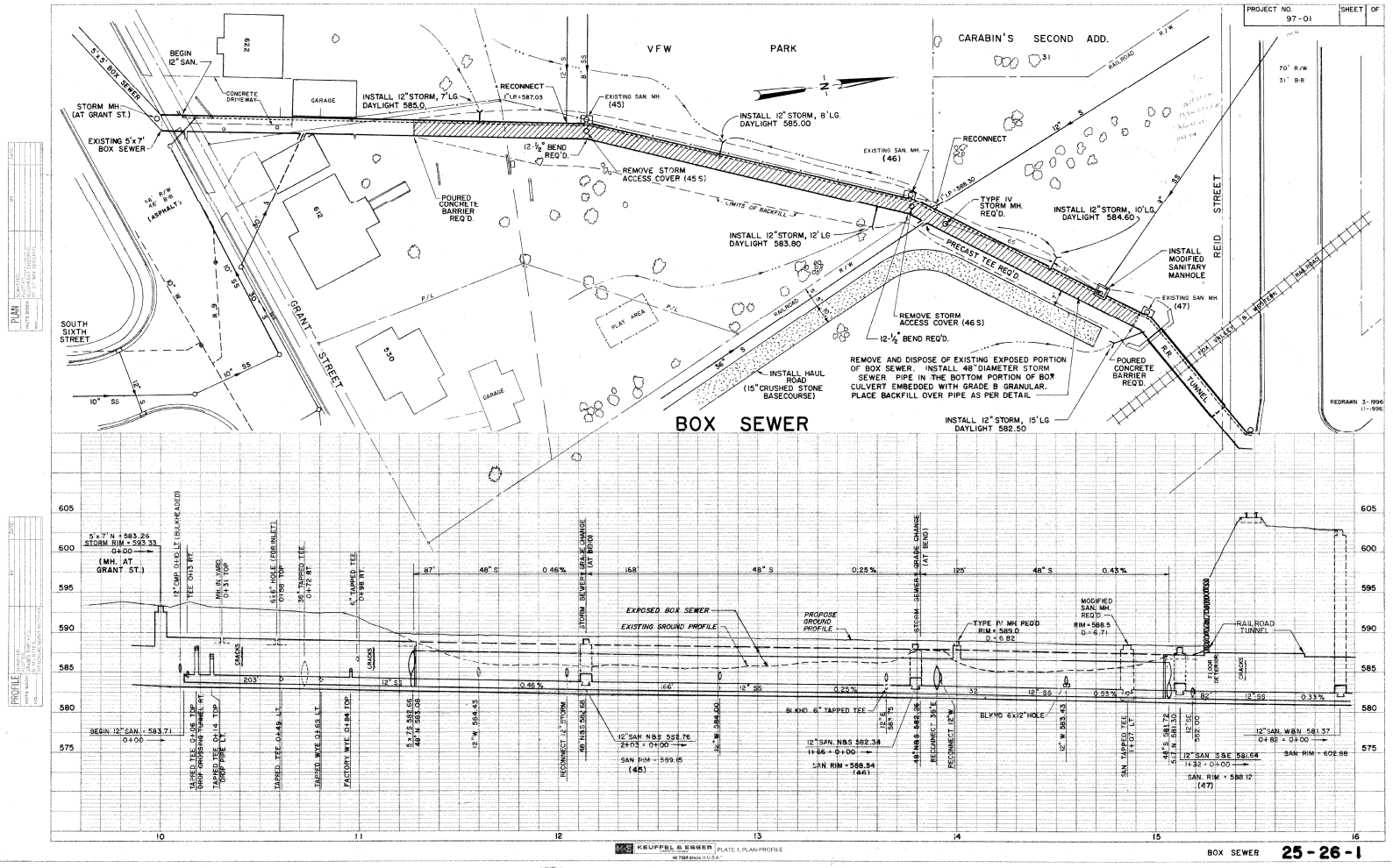
BRANDER Construction Technology, Inc.
CONSULTING ENGINEERS
2357 WEST MASON STREET GREEN BAY, WISCONSIN
(414) 499-0260 FAX (414) 499-4548

PROJECT NO.	557-100896	CADD FILE	A:\DWG\557\100896\S2.DWG

CITY OF DE PERE
DEPARTMENT OF PUBLIC WORKS
BOX CULVERT REPAIR
DE PERE, WISCONSIN

TITLE: BOX CULVERT LAYOUT

DRAWN BY: MSL	DATE: 12/21/96	SCALE: 1" = 80'-0"	
ENGR'S BY: PRM	DRAWING NO.		REV. NO.
CHK'D BY: PRM	S2		0
APP'D BY:			


PROJECT NO. 97-01
SHEET OF
BEGIN 12" SAN.
5'x7' BOX SEWER
STORM MH. (AT GRANT ST.)
EXISTING 5'x7' BOX SEWER
CONCRETE DRIVEWAY
GARAGE
INSTALL 12"STORM, 7'LG. DAYLIGHT 585.0
RECONNECT
EXISTING SAN. MH. (45)
INSTALL 12" STORM, 8'LG. DAYLIGHT 585.00
12-½° BEND REQ'D.
REMOVE STORM ACCESS COVER (45 S)
POURED CONCRETE BARRIER REQ'D.
LIMITS OF BACKFILL
INSTALL 12"STORM, 12' LG DAYLIGHT 583.80
EXISTING SAN. MH. (46)
RECONNECT
TYPE IV STORM MH. REQ'D.
INSTALL 12"STORM, 10'LG. DAYLIGHT 584.60
PRECAST TEE REQ'D.
INSTALL MODIFIED SANITARY MANHOLE
EXISTING SAN. MH. (47)
REMOVE STORM ACCESS COVER (46 S)
12-½° BEND REQ'D.
INSTALL HAUL ROAD (15" CRUSHED STONE BASECOURSE)
REMOVE AND DISPOSE OF EXISTING EXPOSED PORTION OF BOX SEWER. INSTALL 48" DIAMETER STORM SEWER PIPE IN THE BOTTOM PORTION OF BOX CULVERT EMBEDDED WITH GRADE B GRANULAR. PLACE BACKFILL OVER PIPE AS PER DETAIL
INSTALL 12"STORM, 15'LG. DAYLIGHT 582.50
POURED CONCRETE BARRIER REQ'D.
RAILROAD TUNNEL
REID STREET
GRANT STREET
SOUTH SIXTH STREET
VFW
PARK
CARABIN'S SECOND ADD.
RAILROAD
PLAY AREA
612
550
229
70' R/W
31' B-B
REDRAWN 3-1996
11-1996
BOX SEWER
5'x7' N = 583.26
STORM RIM = 593.33
0+00
(MH. AT GRANT ST.)
EXPOSED BOX SEWER
EXISTING GROUND PROFILE
PROPOSE GROUND PROFILE
TYPE IV MH REQ'D. RIM = 589.0 D = 6.82
MODIFIED SAN. MH. REQ'D RIM = 588.5 D = 4.71
RAILROAD TUNNEL
BEGIN 12" SAN. = 583.71
0+00
12" SAN. N&S 582.76
2+02 = 0+00
SAN RIM = 589.15
(45)
12" SAN. N&S 582.38
11+66 = 0+00
SAN RIM = 588.54
(46)
12" SAN. S&E 581.64
14+32 = 0+00
SAN. RIM = 588.12
(47)
12" SAN. W&N 581.37
0+82 = 0+00
SAN. RIM = 602.88
605
600
595
590
585
580
575
10
11
12
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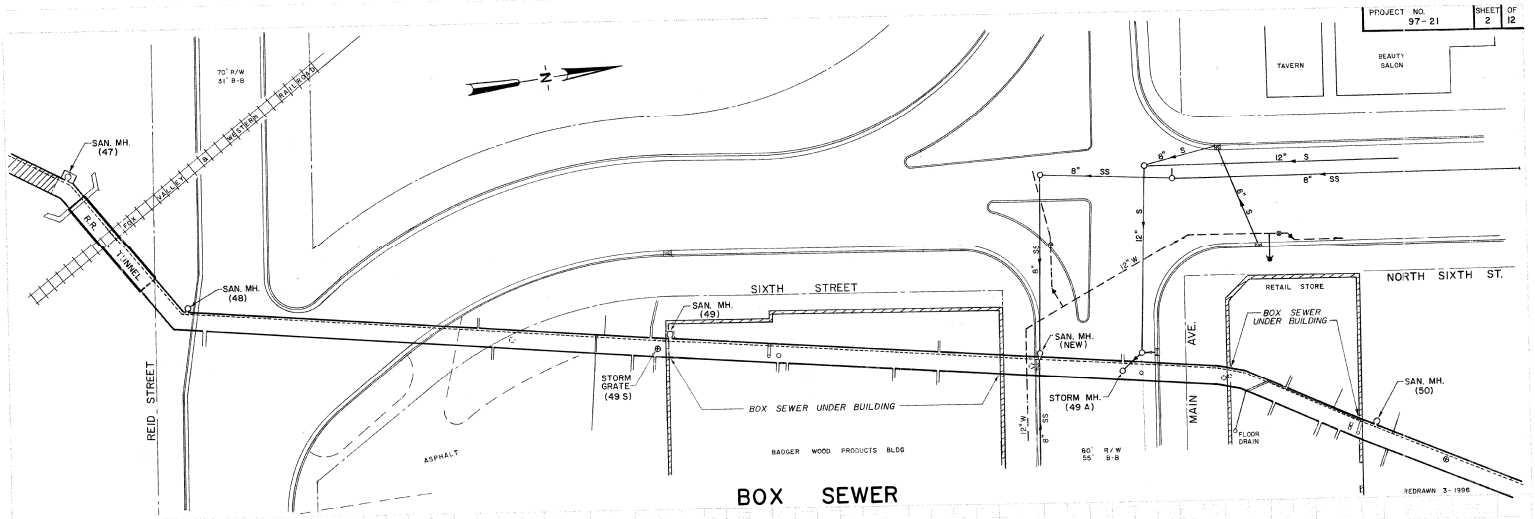
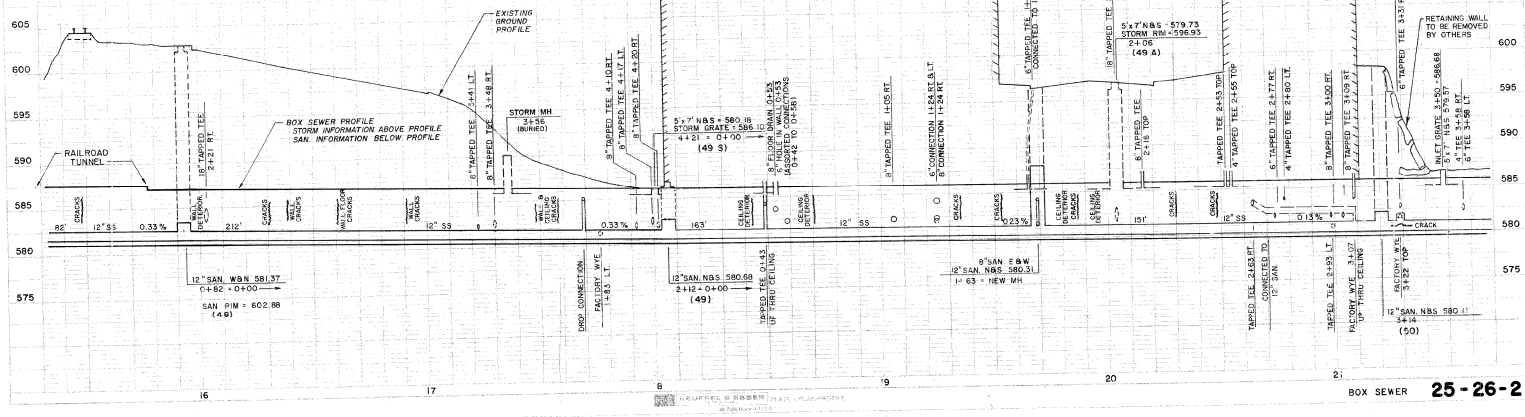
14
15
16
KEUFFEL & ESSER
PLATE 1, PLAN-PROFILE
BOX SEWER
25-26-1



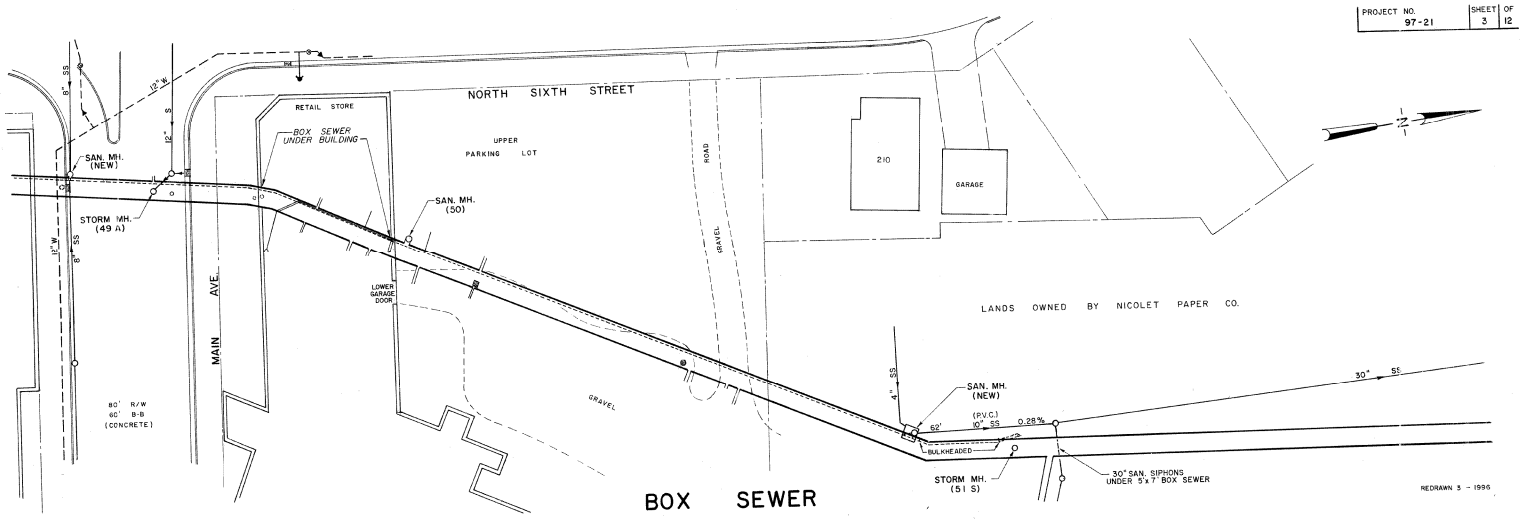
BOX SEWER

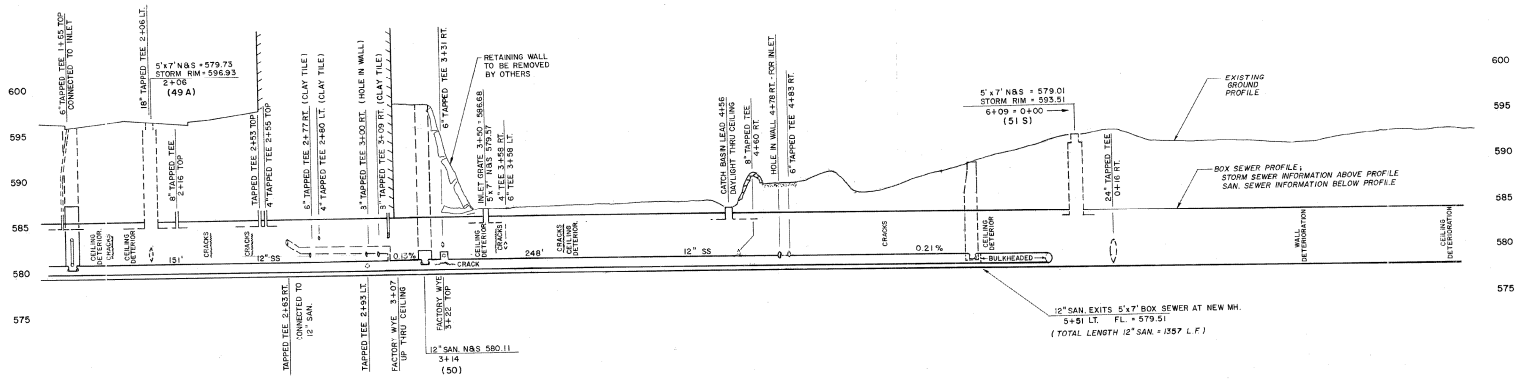


REUEL & EBBER CIVIL ENGINEERS

BOX SEWER 25-26-2

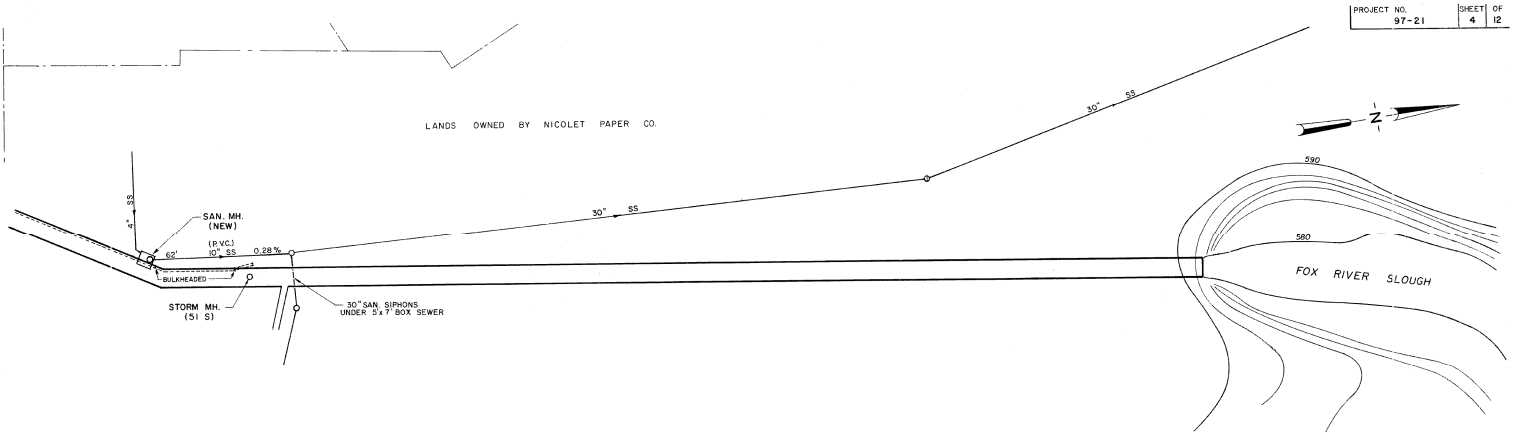
PROJECT NO. 97-21 | SHEET 3 OF 12





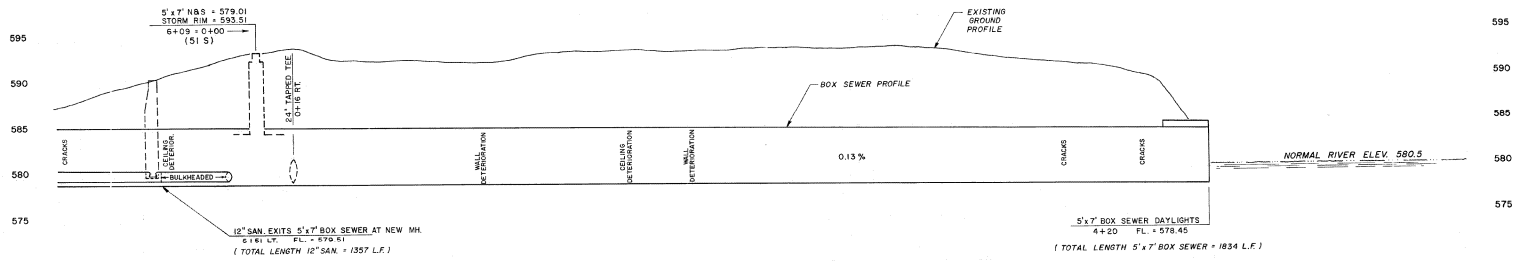
BOX SEWER **25 - 26 - 3**

PROJECT NO. 97-21 | SHEET 4 OF 12



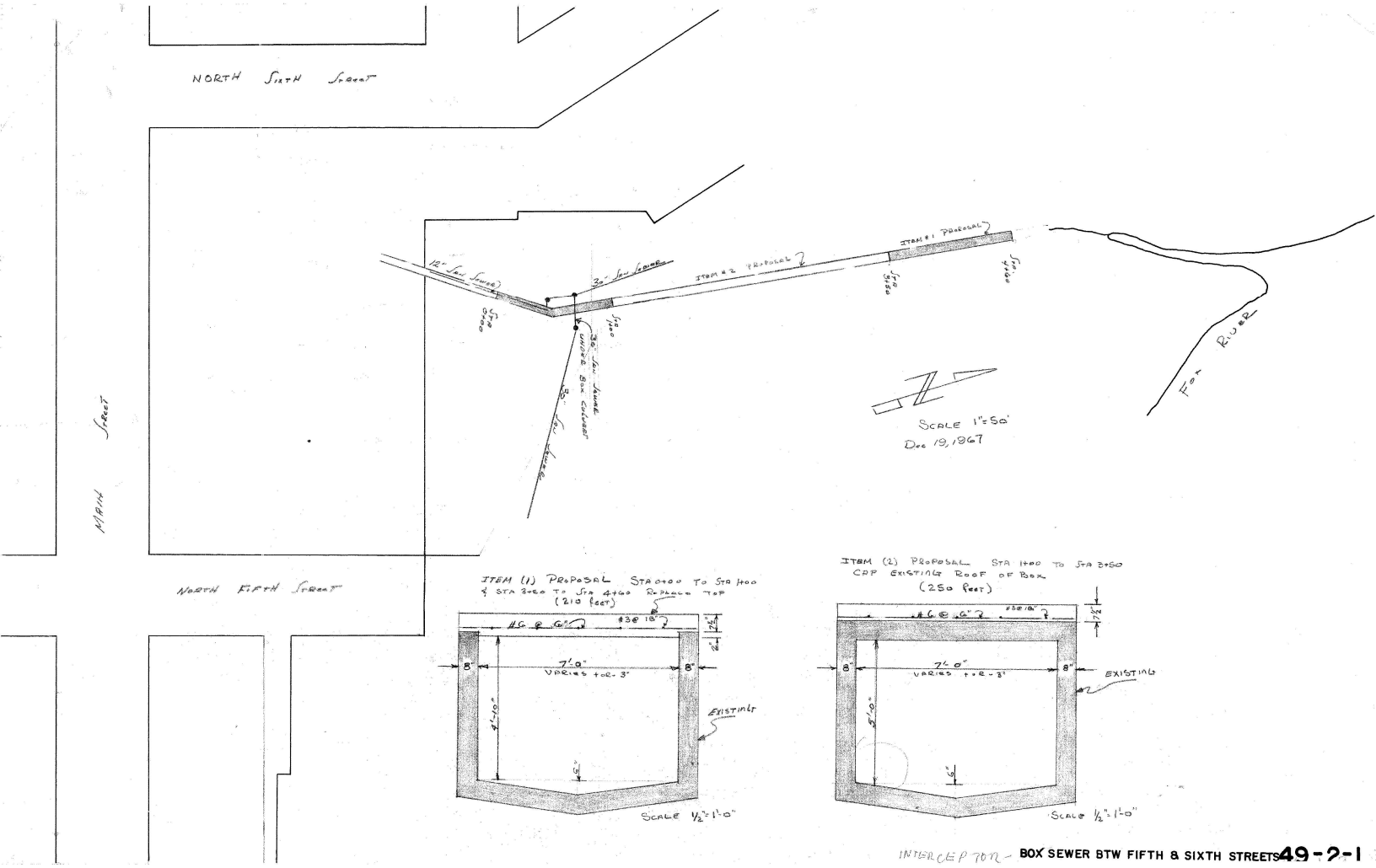
BOX SEWER

REDRAWN 3-1996

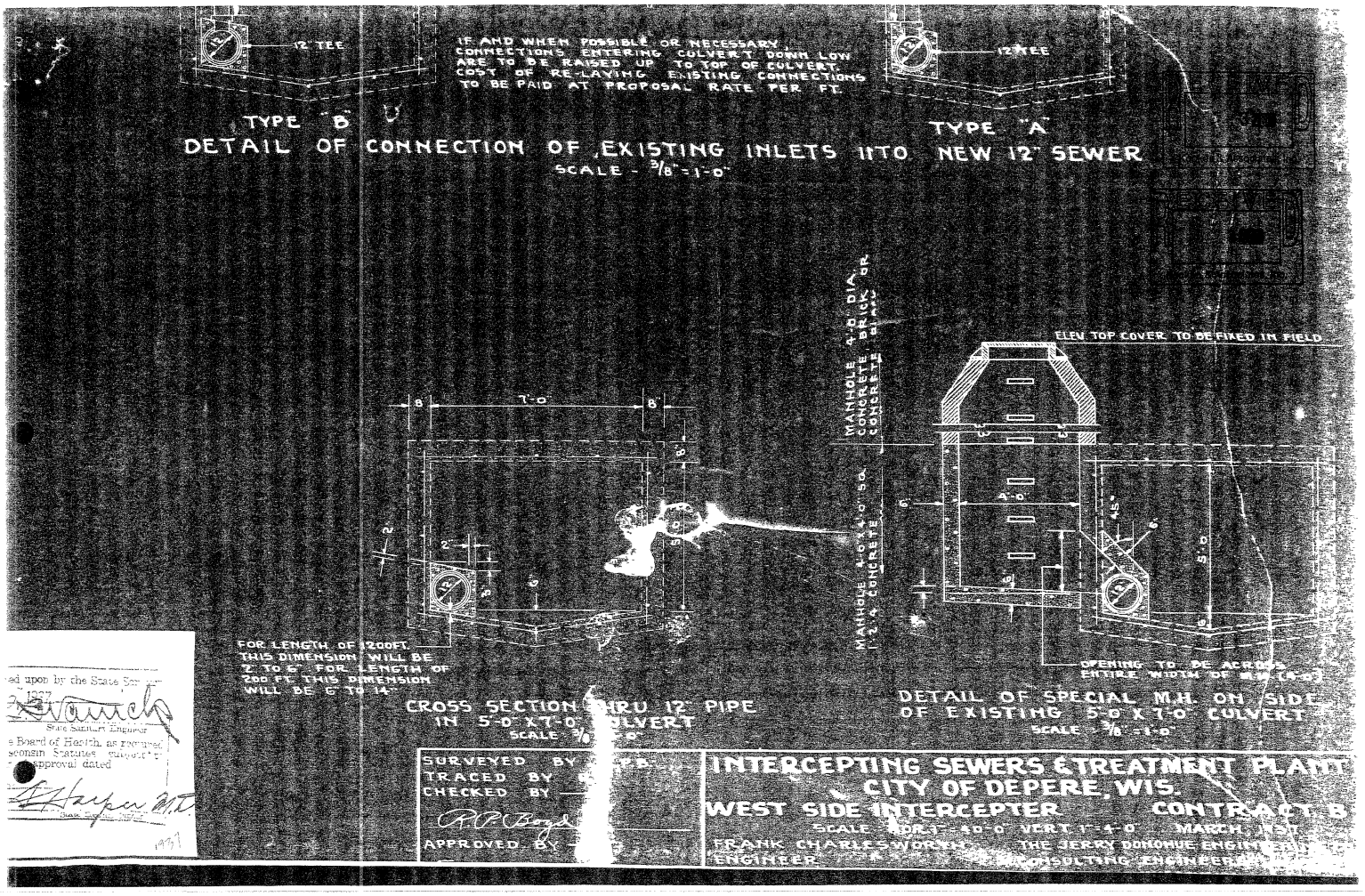


24 25 26 27 28 29

BOX SEWER **25-26-4**



INTERCEPTOR - BOX SEWER BTW FIFTH & SIXTH STREETS 49-2-1


12" TEE
IF AND WHEN POSSIBLE OR NECESSARY CONNECTIONS ENTERING CULVERT DOWN LOW ARE TO BE RAISED UP TO TOP OF CULVERT. COST OF RE-LAYING EXISTING CONNECTIONS TO BE PAID AT PROPOSAL RATE PER FT.
12" TEE
TYPE "B"
TYPE "A"
DETAIL OF CONNECTION OF EXISTING INLETS INTO NEW 12" SEWER
SCALE - 3/8"=1'-0"
4'-0" DIA. MANHOLE CONCRETE OR BRICK
ELEV. TOP COVER TO BE FIXED IN FIELD
MANHOLE 4'-0"x4'-0" SQ. 1'-2" CONCRETE
OPENING TO BE AS WIDE AS ENTIRE WIDTH OF BOX (4'-0")
FOR LENGTH OF 1200 FT. THIS DIMENSION WILL BE 2' TO 6" FOR LENGTH OF 200 FT. THIS DIMENSION WILL BE 6' TO 14'
CROSS SECTION THRU 12" PIPE IN 5'-0" X 7'-0" CULVERT
SCALE 3/8"=1'-0"
DETAIL OF SPECIAL M.H. ON SIDE OF EXISTING 5'-0" X 7'-0" CULVERT
SCALE - 3/8"=1'-0"
SURVEYED BY
TRACED BY
CHECKED BY
APPROVED BY
INTERCEPTING SEWERS & TREATMENT PLANT
CITY OF DEPERE, WIS.
WEST SIDE INTERCEPTER CONTRACT B
SCALE HOR. 1"=40'-0" VERT. 1"=4'-0" MARCH 1937
FRANK CHARLES WORTH ENGINEER
THE JERRY DONOHUE ENGINEERING CO. CONSULTING ENGINEERS
ed upon by the State Sanitary Engineer
1937
State Sanitary Engineer
s Board of Health, as required
sconsin Statutes, approved
approval dated
1937

CITY OF DE PERE

Public Works - Engineering Department

925 S. Sixth Street, De Pere, WI 54115 | 920-339-4061 | www.de-pere.org

X:\ENG\Correspondence\General\2022\2022 Concrete Box Culvert Inspection\Project Overview Map.docx

Proposed Fee Schedule

Company Name: Ruekert & Mielke, Inc.

Company Address: 1400 Lombardi Avenue, Suite 101S

Company Address: Green Bay, WI 54304

Company Representative: Ryan T. Amtmann, P.E.

Signature:

Fee (Total): $61,650.50

Item	Description	Quantity	Unit	Unit Price	Amount
A. Meetings					
A-1	Kickoff Meeting	1	LS	$ 1,000.00	$ 1,000.00
A-2	Preliminary Findings Meeting	1	LS	$ 2,000.00	$ 2,000.00
A-3	Board of Public Works Meeting (If Needed)	1	LS	$ 500.00	$ 500.00
B. Inspection and Testing					
B-1	Interior Inspection of Box Culvert (Not 48" Relayed Sewer)	1	LS	$ 16,500.00	$ 16,500.00
B-2	Televising of the Concrete Box Culvert	1,446	LF	$ 1.50	$ 2,169.00
B-3	Televising of the 48" Relayed Storm Sewer	380	LF	$ 1.50	$ 570.00
B-4	Televising of the sanitary sewer in the Box Culvert	1,365	LF	$ 1.50	$ 2,047.50
B-5	Core Samples (As Needed)	6	EA	$ 1,980.00	$ 11,880.00
B-6	Chemical & Petrographic Analysis (As Needed)	6	EA	$ 2,640.00	$ 15,840.00
B-7	Compressive Strength Tests (As Needed)	6	EA	$ 165.00	$ 990.00
B-8	Inspection and Testing Findings Report	1	LS	$ 8,000.00	$ 8,000.00
B-9	Mileage	200	MI	$ 0.77	$ 154.00
				TOTAL	$ 61,650.50

GRAEF Revised Fees 2-03-2022

Item	Description	Quantity	Unit	Unit Price	Amount
A. Meetings					
A-1	Kickoff Meeting	1	LS	$ 1,500	$1,500
A-2	Preliminary Findings Meeting	1	LS	$ 1,200	$1,200
A-3	Board of Public Works Meeting (If Needed)	1	LS	$ 800	$ 800
B. Inspection and Testing					
B-1	Interior Inspection of Box Culvert (Not 48" Relayed Sewer)	1 ~~1,446~~	LS ~~LF~~	$ 31,850	$31,850
B-2	Televising of the Concrete Box Culvert	1,446	LF	$1.35	$1,952
B-3	Televising of the 48" Relayed Storm Sewer	380	LF	$1.35	$513
B-4	Televising of the sanitary sewer in the Box Culvert	1,365	LF	$1.35	$1,843
B-5	Core Samples (As Needed)	6	EA	$ 415	$2,490
B-6	Chemical & Petrographic Analysis (As Needed)	6	EA	$1,950	$11,700
B-7	Compressive Strength Tests (As Needed)	6	EA	$75	$ 450
B-8	Inspection and Testing Findings Report	1	LS	$10,850	$10,850
B-9	Mileage	200	MI	$.55	$110
				TOTAL	$65,258

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**March 7, 2022**
DEPARTMENT:	**Engineering**
FROM:	**Eric Rakers**
SUBJECT:	**Consideration and possible action on award of Contract 22-03 Sewer Lining***

ATTACHMENTS:

- 2022 0307 CI_BOPW_Award_22-03 (PDF)
- 2022 0217 CE_Project 22-03_Bid Tabulation (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric P. Rakers, P.E., City Engineer
Date: March 7, 2022

RE: **Consideration and possible action on award of Contract 22-03 Sewer Lining***

The Engineering Department received bids on Project 22-03 Sewer Lining on February 17, 2022. The project consists of pipe lining of deteriorated sewers at locations around the City. The bids received are as follows:

Contractor	Amount
Visu-Sewer, Inc.	$672,327.00
S.J. Louis Companies	$689,882.12
Hydro-Klean	$708,455.58
Insituform Technologies USA, LLC	$730,098.00

The allocated amount from the capital improvement budget is $576,000. The funding versus the bid amount is as follows:

Funding Source	Funding Allocation	Bid Allocation	Difference
Sewerage Utility Fund	$426,000	$504,317.00	$78,317.00
Storm Water Utility Fund	$150,000	$168,010.00	$18,010.00

The project came in over budget on both the Sewerage Utility Fund and the Storm Water Utility Fund. Prices are up significantly on pipe lining from last year. For example, the price of 8" lined pipe went from $24 per lineal foot in 2021 to $29.50 per linear foot in 2022. This is a 23% increase.

For the sanitary sewer, staff reviews sewers at various locations around the City and creates a plan based on the anticipated work that can be completed while staying within the budget. Staff proposes to eliminate some of the sanitary sewer to get the project back within the budgeted amount. The storm sewer included in this project is the 36" corrugated metal pipe that extends in an easement between Seventh Street and Sixth Street. Due to access of the storm sewer, a segment cannot be eliminated. Staff proposes to fund all the storm sewer work.

Staff's recommendation is to accept the bid from Visu-Sewer, Inc. in the amount of $672,372.00.

Attachments:
2022 0217 CE Project 22-03 Bid Tabulation (PDF)

DE PERE

PROJECT 22-03 SEWER LINING
BID TABULATION

				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3		BIDDER NO. 4	
				Visu-Sewer		S.J. Louis Companies		Hydro-Klean		Insituform Technologies	
ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID
SS-01	EASEMENT (WESTWOOD-SIXTH STREET) 36" STORM SEWER	LF	634	$265.00	$168,010.00	$190.00	$120,460.00	$262.47	$166,405.98	$242.30	$153,618.20
SS-02	EASEMENT (APOLLO-NINTH) 18" SANITARY SEWER	LF	579	$82.00	$47,478.00	$74.75	$43,280.25	$75.40	$43,656.60	$84.10	$48,693.90
SS-03	ALLEY (FOURTH/THIRD-MAIN/REID) 15" SANITARY SEWER	LF	385	$62.50	$24,062.50	$73.25	$28,201.25	$60.20	$23,177.00	$67.80	$26,103.00
SS-04	ALLEY (FOURTH/THIRD-MAIN/REID) 12" SANITARY SEWER	LF	195	$43.50	$8,482.50	$70.75	$13,796.25	$45.30	$8,833.50	$61.70	$12,031.50
SS-05	FRANKLIN STREET 12" SANITARY SEWER	LF	355	$43.50	$15,442.50	$44.50	$15,797.50	$45.30	$16,081.50	$47.40	$16,827.00
SS-06	TERRY LANE 10" SANITARY SEWER	LF	2211	$33.50	$74,068.50	$38.75	$85,676.25	$36.40	$80,480.40	$38.10	$84,239.10
SS-07	RUSK STREET 10" SANITARY SEWER	LF	336	$33.50	$11,256.00	$46.15	$15,506.40	$36.40	$12,230.40	$40.00	$13,440.00
SS-08	NOB HILL 10" SANITARY SEWER	LF	265	$33.50	$8,877.50	$47.00	$12,455.00	$36.40	$9,646.00	$42.60	$11,289.00
SS-09	ALLEY (WISCONSIN/MICHIGAN-FRANKLIN/WILLIAM) 8" SANITARY SEWER	LF	178	$29.50	$5,251.00	$46.00	$8,188.00	$32.20	$5,731.60	$44.90	$7,992.20
SS-10	ALLEY (SUPERIOR/HURON-FULTON/FRANKLIN) 8" SANITARY SEWER	LF	300	$29.50	$8,850.00	$38.15	$11,445.00	$32.20	$9,660.00	$37.20	$11,160.00
SS-11	EASEMENT (ERIE/ONTARIO-FULTON/FRANKLIN) 8" SANITARY SEWER	LF	166	$29.50	$4,897.00	$55.25	$9,171.50	$32.20	$5,345.20	$47.80	$7,934.80
SS-12	ALLEY (MICHIGAN/SUPERIOR-LEWIS/CHICAGO) 8" SANITARY SEWER	LF	362	$29.50	$10,679.00	$33.70	$12,199.40	$32.20	$11,656.40	$34.40	$12,452.80
SS-13	ALLEY (SUPERIOR/HURON-LEWIS/CHICAGO) 8" SANITARY SEWER	LF	476	$29.50	$14,042.00	$32.50	$15,470.00	$32.20	$15,327.20	$33.00	$15,708.00
SS-14	ALLEY (HURON/ERIE-LEWIS/CHICAGO) 8" SANITARY SEWER	LF	420	$29.50	$12,390.00	$33.70	$14,154.00	$32.20	$13,524.00	$34.00	$14,280.00
SS-15	EASEMENT (ERIE/ONTARIO-LEWIS/CHICAGO) 8" SANITARY SEWER	LF	351	$29.50	$10,354.50	$35.25	$12,372.75	$32.20	$11,302.20	$34.80	$12,214.80
SS-16	ALLEY (HURON/ERIE-JAMES/GEORGE) 8" SANITARY SEWER	LF	214	$29.50	$6,313.00	$35.75	$7,650.50	$32.20	$6,890.80	$42.40	$9,073.60
SS-17	ALLEY (ERIE/ONTARIO-JAMES/GEORGE) 8" SANITARY SEWER	LF	277	$29.50	$8,171.50	$42.50	$11,772.50	$32.20	$8,919.40	$38.10	$10,553.70
SS-18	EASEMENT (ONTARIO/WINNEBAGO-RIDGEWAY/FULTON) 8" SANITARY SEWER	LF	290	$29.50	$8,555.00	$38.50	$11,165.00	$32.20	$9,338.00	$35.80	$10,382.00
SS-19	WEBSTER AVENUE 8" SANITARY SEWER	LF	3060	$29.50	$90,270.00	$27.50	$84,150.00	$32.20	$98,532.00	$32.70	$100,062.00
SS-20	RIDGEWAY DRIVE 8" SANITARY SEWER	LF	221	$29.50	$6,519.50	$37.90	$8,375.90	$32.20	$7,116.20	$39.70	$8,773.70
SS-21	RUSK STREET 8" SANITARY SEWER	LF	628	$29.50	$18,526.00	$33.60	$21,100.80	$32.20	$20,221.60	$35.50	$22,294.00
SS-22	ZITA STREET 8" SANITARY SEWER	LF	824	$29.50	$24,308.00	$31.75	$26,162.00	$32.20	$26,532.80	$37.90	$31,229.60
SS-23	MARTIN STREET 8" SANITARY SEWER	LF	209	$29.50	$6,165.50	$58.43	$12,211.87	$32.20	$6,729.80	$42.60	$8,903.40
SS-24	RAINBOW AVENUE 8" SANITARY SEWER	LF	1985	$29.50	$58,557.50	$32.00	$63,520.00	$32.20	$63,917.00	$35.30	$70,070.50
SS-25	TELEVISING SANITARY LATERALS	EA	64	$325.00	$20,800.00	$400.00	$25,600.00	$425.00	$27,200.00	$168.30	$10,771.20
			TOTAL BID		**$672,327.00**		**$689,882.12**		**$708,455.58**		**$730,098.00**

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**March 7, 2022**
DEPARTMENT:	**Engineering**
FROM:	**Eric Rakers**
SUBJECT:	**Consideration and possible action on award of Contract 22-06 Concrete Street Repairs***

ATTACHMENTS:

- 2022 0307 CI_BOPW_Award_22-06 (PDF)
- 2022 0303 CE_Project 22-06_Bid Tabulation (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric P. Rakers, P.E., City Engineer
Date: March 7, 2022

RE: **Consideration and possible action on award of Contract 22-06 Concrete Street Repairs***

The Engineering Department received bids on Project 22-06 Concrete Street Repairs on March 3, 2022. This project involves colored concrete sealing, concrete street rehabilitation on Fort Howard Avenue, spot concrete street repairs throughout the City and reconstructing part of the West Side Fire Station parking lot. The bids received are as follows:

Contractor	Amount
Zenith Tech Inc	$369,637.42
Vinton Construction Co.	$403,410.70
Sommers Construction Company, Inc.	$511,119.75

The allocated amount from the capital improvement budget is $456,000. Funding will be as follows:

- General Obligation Debt for Street Maintenance $400,000
- Fire Department $ 40,000
- Water Utility $ 6,000

The West Side Fire Stations part of the project is slightly over budget at $43,537.85. Staff will work with the Fire Department to identify additional funding or remove from the project.

Staff's recommendation is to accept the bid from Zenith Tech Inc. in the amount of $369,637.42.

Attachments:
2022 0303 Project 22-06 Bid Tabulation (PDF)

DE PERE

PROJECT 22-06 CONCRETE STREET REPAIRS
BID TABULATION

				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3	
				Zenith Tech Inc		Vinton Construction Company		Sommers Construction Co., Inc.	
ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID
STREET AND DRAINAGE (FIRE STATION)									
SD-01	Unclassified Excavation	CY	130	$57.33	$7,452.90	$28.67	$3,727.10	$55.00	$7,150.00
SD-02	Remove Asphaltic Concrete Pavement and Concrete Curb	SY	385	$13.99	$5,386.15	$0.01	$3.85	$23.00	$8,855.00
SD-03	Provide 8-Inch Doweled Concrete Pavement	SY	355	$58.12	$20,632.60	$69.77	$24,768.35	$77.00	$27,335.00
SD-04	Provide 24-Inch Concrete Curb & Gutter Integral	LF	120	$34.97	$4,196.40	$21.12	$2,534.40	$39.00	$4,680.00
SD-05	Remove and Replace 6-Inch Concrete Sidewalk	SY	35	$51.35	$1,797.25	$76.50	$2,677.50	$69.00	$2,415.00
SD-06	Provide 1-1/4" Crushed Aggregate Base Course	TON	255	$15.16	$3,865.80	$0.01	$2.55	$29.45	$7,509.75
SD-07	Drilled Tie Bars	EA	25	$8.27	$206.75	$10.00	$250.00	$15.00	$375.00
STREET AND DRAINAGE (VARIOUS LOCATIONS)									
SD-08	Remove and Replace 8-Inch Doweled Concrete Pavement	SY	10	$239.80	$2,398.00	$90.00	$900.00	$250.00	$2,500.00
SD-09	Remove and Replace 24-Inch Concrete Curb and Gutter Integral	LF	15	$148.78	$2,231.70	$23.62	$354.30	$55.00	$825.00
SD-10	Drilled Dowel Bars	EA	15	$13.65	$204.75	$14.00	$210.00	$25.00	$375.00
SD-11	Drilled Tie Bars	EA	5	$12.55	$62.75	$8.00	$40.00	$15.00	$75.00
SD-12	Provide 1-1/4" Crushed Aggregate Base Course	TON	20	$15.18	$303.60	$0.01	$0.20	$55.00	$1,100.00
STREET AND DRAINAGE (FORT HOWARD)									
SD-13	Remove and Replace 9-Inch Doweled Concrete Pavement (HES-3 DAY)	SY	10	$142.64	$1,426.40	$99.70	$997.00	$150.00	$1,500.00
SD-14	Remove and Replace 9-Inch Doweled Concrete Pavement (HES-24 HR)	SY	10	$163.55	$1,635.50	$106.70	$1,067.00	$200.00	$2,000.00
SD-15	Remove and Replace 9-Inch Doweled Concrete Pavement	SY	1,650	$64.47	$106,375.50	$96.70	$159,555.00	$79.00	$130,350.00

SD-16	Remove and Replace 24-Inch Concrete Curb and Gutter Integral	LF	1,010	$56.36	$56,923.60	$38.62	$39,006.20	$39.00	$39,390.00
SD-17	Partial Depth Concrete Pavement Joint Repair (2' Wide)	LF	1,215	$19.25	$23,388.75	$30.00	$36,450.00	$65.00	$78,975.00
SD-18	Drilled Dowel Bars	EA	1,925	$12.12	$23,331.00	$0.01	$19.25	$18.00	$34,650.00
SD-19	Drilled Tie Bars	EA	465	$5.50	$2,557.50	$8.00	$3,720.00	$10.00	$4,650.00
SD-20	Cross-Stitching Longitudinal Joints and Cracks (#6)	EA	35	$63.64	$2,227.40	$40.00	$1,400.00	$55.00	$1,925.00
SPECIAL CONSTRUCTION									
SC-01	Inlet Protection Type D	EA	55	$143.60	$7,898.00	$100.00	$5,500.00	$175.00	$9,625.00
SC-02	Adjust Inlet	EA	25	$465.29	$11,632.25	$400.00	$10,000.00	$650.00	$16,250.00
SC-03	Adjust Manhole	EA	15	$465.29	$6,979.35	$400.00	$6,000.00	$800.00	$12,000.00
SC-04	Colored Concrete Sealing	SF	60,920	$0.24	$14,620.80	$0.90	$54,828.00	$1.75	$106,610.00
SC-05	Traffic Control (Fort Howard)	LS	1	$5,700.00	$5,700.00	$47,700.00	$47,700.00	$7,000.00	$7,000.00
SC-06	Traffic Control (Main Avenue)	LS	1	$56,202.72	$56,202.72	$1,700.00	$1,700.00	$3,000.00	$3,000.00
			TOTAL BID AMOUNT		**$369,637.42**		**$403,410.70**		**$511,119.75**

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**March 7, 2022**
DEPARTMENT:	**Engineering**
FROM:	**Eric Rakers**
SUBJECT:	**Consideration and possible action on award of Contract 22-13 Crackfilling***

ATTACHMENTS:

- 2022 0307 CI_BOPW_Award_22-13 (PDF)
- 2022 0217 CE_Project 22-13_Bid Tabulation (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric P. Rakers, P.E., City Engineer
Date: March 7, 2022

RE: **Consideration and possible action on award of Contract 22-13 Crackfilling***

The Engineering Department received bids for Project 22-13 Crackfilling on February 17, 2022. This work is for the maintenance of streets and parking lots. The bids received are as follows:

Contractor	Amount
Asphalt Seal & Repair, Inc.	$131,400
National Industrial Maintenance	$134,100
American Pavement Solutions, Inc	$192,600
Thunder Road, LLC	$211,500
Fahrner Asphalt Sealers, LLC	$225,900

The allocated amount from the capital improvement budget is $140,000 from the general obligation debt.

Staff's recommendation is to accept the bid from Asphalt Seal & Repair, Inc. in the amount of $131,400.

Attachments:
2022 0217 CE Project 22-13 Bid Tabulation (PDF)

DE PERE

PROJECT 22-13 CRACKFILLING
BID TABULATION

				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3		BIDDER NO. 4		BIDDER NO. 5	
				Asphalt Seal & Repair, Inc.		National Industrial Maintenance		American Pavement Solutions Inc.		Thunder Road LLC		Fahrner Asphalt Sealers, LLC	
ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID
SC-01	Crackfilling (HI-SPEC, Crafco, or Approved Equal)	LBS	90,000	$1.46	$131,400.00	$1.49	$134,100.00	$2.14	$192,600.00	$2.35	$211,500.00	$2.51	$225,900.00
			TOTAL BID		**$131,400.00**		**$134,100.00**		**$192,600.00**		**$211,500.00**		**$225,900.00**

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**March 7, 2022**
DEPARTMENT:	**Engineering**
FROM:	**Eric Rakers**
SUBJECT:	**Consideration and possible action on award of Contract 22-14 Commerce Drive Utility and Street Extension***

ATTACHMENTS:

- 2022 0307 CI_BOPW_Award_22-14 (PDF)
- 2022 0217 CE_Project 22-14_Bid Tabulation (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric P. Rakers, P.E., City Engineer
Date: March 7, 2022

RE: **Consideration and possible action on award of Contract 22-14 Commerce Drive Utility and Street Extension***

The Engineering Department received bids on Project 22-14 Commerce Drive Utility and Street Extension on February 17, 2022. This project involves sanitary sewer, water main, storm sewer, and street excavation and gravelling for the extension of Commerce Drive to Rockland Road. The bids received are as follows:

Contractor	Amount
Peters Concrete Co.	$1,121,940.05
Feaker and Sons Company, Inc.	$1,170,971.50
Jossart Brothers, Inc.	$1,225,874.30
Superior Sewer and Water, Inc.	$1,249,654.45
Dorner, Inc.	$1,283,928.50
De Groot, Inc.	$1,330,019.83
Kruczek Construction, Inc.	$1,446,446.46
Advance Construction, Inc.	$1,463,214.75

The allocated amount for this project is $1,200,000 with funding from TID 17.

Staff's recommendation is to accept the bid from Peters Concrete Co. in the amount of $1,121,940.05

Attachments:
2022 0217 CE Project 22-14 Bid Tabulation (PDF)

DE PERE

PROJECT 22-14 COMMERCE DRIVE STREET AND UTILITY EXTENSION
BID TABULATION

				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3		BIDDER NO. 4		BIDDER NO. 5		BIDDER NO. 6		BIDDER NO. 7		BIDDER NO. 8	
				Peters Concrete Company		Feaker & Sons Co Inc		Jossart Brothers, Inc.		Superior Sewer and Water inc.		Dorner Inc.		DE GROOT, INC.		Kruczek Construction Inc.		Advance Construction Inc.	
ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID
STORM SEWER																			
SS-01	Provide 10" PVC Sanitary Sewer (Granular Backfill)	LF	100	$107.00	$10,700.00	$118.00	$11,800.00	$105.00	$10,500.00	$174.00	$17,400.00	$140.00	$14,000.00	$126.67	$12,667.00	$140.00	$14,000.00	$263.00	$26,300.00
SS-02	Provide 10" PVC Sanitary Sewer (Natural Backfill)	LF	1900	$50.70	$96,330.00	$54.00	$102,600.00	$45.00	$85,500.00	$83.00	$157,700.00	$57.00	$108,300.00	$53.73	$102,087.00	$76.00	$144,400.00	$90.00	$171,000.00
SS-03	Provide 6" PVC Sanitary Sewer Lateral	LF	250	$73.85	$18,462.50	$71.00	$17,750.00	$50.00	$12,500.00	$80.00	$20,000.00	$79.00	$19,750.00	$82.12	$20,530.00	$45.00	$11,250.00	$81.00	$20,250.00
SS-04	Provide Sanitary Sewer Risers	LF	30	$100.00	$3,000.00	$90.00	$2,700.00	$100.00	$3,000.00	$90.00	$2,700.00	$44.00	$1,320.00	$126.25	$3,787.50	$118.00	$3,540.00	$80.00	$2,400.00
SS-05	Provide 10"x6" Sanitary Wye	EA	3	$250.00	$750.00	$300.00	$900.00	$250.00	$750.00	$298.00	$894.00	$357.00	$1,071.00	$757.50	$2,272.50	$200.00	$600.00	$1,832.00	$5,496.00
SS-06	Provide 4' Diameter Sanitary Sewer Manhole	VF	140	$283.35	$39,669.00	$325.00	$45,500.00	$345.00	$48,300.00	$357.00	$49,980.00	$315.00	$44,100.00	$355.37	$49,751.80	$385.00	$53,900.00	$290.00	$40,600.00
SANITARY SEWER																			
ST-01	Provide 60" PVC, RCP Class III, or PP Storm Sewer Natural Backfill	LF	515	$205.60	$105,884.00	$209.00	$107,635.00	$237.00	$122,055.00	$220.00	$113,300.00	$210.00	$108,150.00	$249.74	$128,616.10	$275.00	$141,625.00	$205.35	$105,755.25
ST-02	Provide 48" PVC, RCP Class III, or PP Storm Sewer Granular Backfill	LF	510	$156.80	$79,968.00	$153.00	$78,030.00	$180.00	$91,800.00	$173.00	$88,230.00	$188.00	$95,880.00	$195.10	$99,501.00	$200.00	$102,000.00	$196.25	$100,087.50
ST-03	Provide 42" PVC, RCP Class III, or PP Storm Sewer Granular Backfill	LF	450	$134.70	$60,615.00	$130.00	$58,500.00	$155.00	$69,750.00	$136.00	$61,200.00	$163.00	$73,350.00	$165.24	$74,358.00	$170.00	$76,500.00	$172.90	$77,805.00
ST-04	Provide 36" PVC, RCP Class III, or PP Storm Sewer Natural Backfill	LF	30	$105.00	$3,150.00	$97.00	$2,910.00	$105.00	$3,150.00	$94.00	$2,820.00	$107.00	$3,210.00	$110.05	$3,301.50	$140.00	$4,200.00	$111.00	$3,330.00
ST-05	Provide 36" PVC, RCP Class III, or PP Storm Sewer Granular Backfill	LF	210	$111.80	$23,478.00	$117.00	$24,570.00	$133.00	$27,930.00	$107.00	$22,470.00	$129.00	$27,090.00	$148.58	$31,201.80	$145.00	$30,450.00	$151.00	$31,710.00
ST-06	Provide 30" PVC, RCP Class III, or PP Storm Sewer Natural Backfill	LF	30	$81.00	$2,430.00	$78.00	$2,340.00	$85.00	$2,550.00	$86.00	$2,580.00	$101.00	$3,030.00	$86.00	$2,580.00	$100.00	$3,000.00	$88.00	$2,640.00
ST-07	Provide 30" PVC, RCP Class III, or PP Storm Sewer Granular Backfill	LF	20	$104.00	$2,080.00	$100.00	$2,000.00	$113.00	$2,260.00	$96.00	$1,920.00	$109.00	$2,180.00	$126.68	$2,533.60	$121.00	$2,420.00	$125.00	$2,500.00
ST-08	Provide 24" PVC, RCP Class III, or PP Storm Sewer Natural Backfill	LF	35	$56.40	$1,974.00	$55.00	$1,925.00	$63.00	$2,205.00	$60.00	$2,100.00	$70.00	$2,450.00	$69.49	$2,432.15	$81.00	$2,835.00	$65.00	$2,275.00
ST-09	Provide 24" PVC, RCP Class III, or PP Storm Sewer Granular Backfill	LF	350	$61.85	$21,647.50	$70.00	$24,500.00	$80.00	$28,000.00	$71.00	$24,850.00	$80.00	$28,000.00	$95.02	$33,257.00	$92.00	$32,200.00	$100.00	$35,000.00
ST-10	Provide 18" PVC, RCP Class III, or PP Storm Sewer Natural Backfill	LF	110	$46.85	$5,153.50	$45.00	$4,950.00	$48.00	$5,280.00	$49.50	$5,445.00	$54.00	$5,940.00	$58.37	$6,420.70	$60.00	$6,600.00	$55.00	$6,050.00
ST-11	Provide 18" PVC, RCP Class III, or PP Storm Sewer Granular Backfill	LF	30	$55.50	$1,665.00	$55.00	$1,650.00	$65.00	$1,950.00	$60.50	$1,815.00	$60.00	$1,800.00	$79.17	$2,375.10	$88.00	$2,640.00	$88.00	$2,640.00
ST-12	Provide 15" PVC, RCP Class III, or PP Storm Sewer Natural Backfill	LF	30	$50.30	$1,509.00	$43.00	$1,290.00	$45.00	$1,350.00	$44.00	$1,320.00	$47.00	$1,410.00	$52.57	$1,577.10	$73.00	$2,190.00	$47.00	$1,410.00
ST-13	Provide 15" PVC, RCP Class III, or PP Storm Sewer Granular Backfill	LF	220	$52.10	$11,462.00	$52.00	$11,440.00	$62.00	$13,640.00	$56.00	$12,320.00	$54.00	$11,880.00	$74.63	$16,418.60	$66.00	$14,520.00	$77.00	$16,940.00
ST-14	Provide 6" PVC, Storm Sewer Natural Backfill	LF	150	$32.50	$4,875.00	$32.00	$4,800.00	$30.00	$4,500.00	$39.00	$5,850.00	$27.00	$4,050.00	$33.22	$4,983.00	$30.00	$4,500.00	$30.00	$4,500.00
ST-15	Provide 6" PVC, Storm Sewer Granular Backfill	LF	50	$46.75	$2,337.50	$42.00	$2,100.00	$40.00	$2,000.00	$46.00	$2,300.00	$36.00	$1,800.00	$54.72	$2,736.00	$40.00	$2,000.00	$55.00	$2,750.00
ST-16	Provide Storm Sewer Riser	VF	25	$30.00	$750.00	$45.00	$1,125.00	$50.00	$1,250.00	$55.00	$1,375.00	$56.00	$1,400.00	$101.00	$2,525.00	$60.00	$1,500.00	$30.00	$750.00
ST-17	Provide 6" Storm Branch	EA	2	$100.00	$200.00	$150.00	$300.00	$200.00	$400.00	$400.00	$800.00	$341.00	$682.00	$265.13	$530.26	$300.00	$600.00	$1,500.00	$3,000.00
ST-18	Provide 9' Diameter Storm Manhole	VF	9	$1,723.00	$15,507.00	$1,875.00	$16,875.00	$1,950.00	$17,550.00	$1,798.00	$16,182.00	$1,862.00	$16,758.00	$2,081.05	$18,729.45	$2,600.00	$23,400.00	$2,000.00	$18,000.00
ST-19	Provide 8' Diameter Storm Manhole	VF	9	$1,186.00	$10,674.00	$1,280.00	$11,520.00	$1,360.00	$12,240.00	$1,248.00	$11,232.00	$1,362.00	$12,258.00	$1,431.62	$12,884.58	$1,600.00	$14,400.00	$1,623.00	$14,607.00
ST-20	Provide 7' Diameter Storm Manhole	VF	30	$987.00	$29,610.00	$995.00	$29,850.00	$1,025.00	$30,750.00	$955.00	$28,650.00	$1,114.00	$33,420.00	$1,115.03	$33,450.90	$1,300.00	$39,000.00	$1,176.00	$35,280.00
ST-21	Provide 6' Diameter Storm Manhole	VF	20	$686.00	$13,720.00	$735.00	$14,700.00	$785.00	$15,700.00	$732.00	$14,640.00	$795.00	$15,900.00	$861.65	$17,233.00	$900.00	$18,000.00	$750.00	$15,000.00
ST-22	Provide 5' Diameter Storm Manhole	VF	30	$484.00	$14,520.00	$695.00	$20,850.00	$725.00	$21,750.00	$618.00	$18,540.00	$643.00	$19,290.00	$754.26	$22,627.80	$700.00	$21,000.00	$706.00	$21,180.00
ST-23	Provide 4' Diameter Storm Manhole	VF	20	$431.00	$8,620.00	$570.00	$11,400.00	$525.00	$10,500.00	$465.00	$9,300.00	$572.00	$11,440.00	$681.13	$13,622.60	$600.00	$12,000.00	$577.00	$11,540.00
ST-24	Provide Type B Inlet	EA	7	$2,120.00	$14,840.00	$2,150.00	$15,050.00	$2,550.00	$17,850.00	$2,000.00	$14,000.00	$2,622.00	$18,354.00	$2,382.07	$16,674.49	$3,000.00	$21,000.00	$4,475.00	$31,325.00
ST-25	Connect to Structure and/or Existing Pipe	EA	2	$500.00	$1,000.00	$500.00	$1,000.00	$1,200.00	$2,400.00	$1,186.00	$2,372.00	$637.00	$1,274.00	$1,171.60	$2,343.20	$1,200.00	$2,400.00	$3,000.00	$6,000.00
ST-26	Provide 60" RCP Endwall	EA	1	$4,100.00	$4,100.00	$2,765.00	$2,765.00	$3,000.00	$3,000.00	$2,050.00	$2,050.00	$3,820.00	$3,820.00	$2,941.12	$2,941.12	$3,000.00	$3,000.00	$4,162.00	$4,162.00
ST-27	Provide 18" RCP Endwall	EA	1	$1,000.00	$1,000.00	$1,160.00	$1,160.00	$1,200.00	$1,200.00	$580.00	$580.00	$811.00	$811.00	$1,297.35	$1,297.35	$1,000.00	$1,000.00	$1,400.00	$1,400.00
ST-28	Provide 15" RCP Endwall	EA	1	$800.00	$800.00	$1,110.00	$1,110.00	$1,100.00	$1,100.00	$544.00	$544.00	$703.00	$703.00	$1,273.11	$1,273.11	$900.00	$900.00	$1,300.00	$1,300.00

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PROJECT 22-14 COMMERCE DRIVE STREET AND UTILITY EXTENSION
BID TABULATION

				BIDDER NO. 1		BIDDER NO. 2		BIDDER NO. 3		BIDDER NO. 4		BIDDER NO. 5		BIDDER NO. 6		BIDDER NO. 7		BIDDER NO. 8	
				Peters Concrete Company		Feaker & Sons Co Inc		Jossart Brothers, Inc.		Superior Sewer and Water inc.		Dorner Inc.		DE GROOT, INC.		Kruczek Construction Inc.		Advance Construction Inc.	
ITEM	DESCRIPTION	UNIT	QTY	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID	UNIT PRICE	AMOUNT BID
WATER SYSTEM																			
W-01	Provide 16" PVC Water Main (Natural Backfill)	LF	2000	$121.65	$243,300.00	$130.00	$260,000.00	$134.00	$268,000.00	$133.50	$267,000.00	$134.00	$268,000.00	$138.18	$276,360.00	$151.20	$302,400.00	$146.00	$292,000.00
W-02	Remove and Replace 16" PVC Water Main (Granular Backfill)	LF	50	$173.00	$8,650.00	$175.00	$8,750.00	$155.00	$7,750.00	$137.00	$6,850.00	$154.00	$7,700.00	$157.72	$7,886.00	$185.00	$9,250.00	$169.00	$8,450.00
W-03	Provide 6" PVC Hydrant Lead	LF	25	$50.00	$1,250.00	$45.00	$1,125.00	$60.00	$1,500.00	$40.00	$1,000.00	$39.00	$975.00	$44.32	$1,108.00	$85.00	$2,125.00	$65.00	$1,625.00
W-04	Provide 2" Corporation with Plug/Saddle with 2" Galvanized Pipe	EA	1	$1,500.00	$1,500.00	$1,100.00	$1,100.00	$1,000.00	$1,000.00	$1,460.00	$1,460.00	$733.00	$733.00	$1,358.45	$1,358.45	$1,150.00	$1,150.00	$3,750.00	$3,750.00
W-05	Provide 6" Gate Valve	EA	4	$1,575.00	$6,300.00	$1,655.00	$6,620.00	$1,775.00	$7,100.00	$1,833.00	$7,332.00	$1,798.00	$7,192.00	$1,922.28	$7,689.12	$1,800.00	$7,200.00	$2,350.00	$9,400.00
W-06	Provide 16" Butterfly Valve	EA	4	$6,000.00	$24,000.00	$6,060.00	$24,240.00	$6,650.00	$26,600.00	$6,170.00	$24,680.00	$6,474.00	$25,896.00	$6,420.57	$25,682.28	$6,900.00	$27,600.00	$6,750.00	$27,000.00
W-07	Provide Connection to Existing Water Main	EA	3	$2,700.00	$8,100.00	$3,660.00	$10,980.00	$2,000.00	$6,000.00	$2,872.00	$8,616.00	$6,918.00	$20,754.00	$4,201.60	$12,604.80	$2,600.00	$7,800.00	$4,634.00	$13,902.00
W-08	Provide Hydrant 8.0' Bury	EA	1	$4,800.00	$4,800.00	$4,800.00	$4,800.00	$5,000.00	$5,000.00	$4,568.00	$4,568.00	$5,198.00	$5,198.00	$5,135.85	$5,135.85	$5,600.00	$5,600.00	$6,000.00	$6,000.00
W-09	Provide Hydrant 7.0' Bury	EA	3	$4,600.00	$13,800.00	$4,600.00	$13,800.00	$4,900.00	$14,700.00	$4,204.00	$12,612.00	$5,025.00	$15,075.00	$5,025.76	$15,077.28	$5,400.00	$16,200.00	$6,000.00	$18,000.00
W-10	Provide 16" Water Main Offset	EA	2	$9,750.00	$19,500.00	$10,715.00	$21,430.00	$12,000.00	$24,000.00	$12,040.00	$24,080.00	$12,341.00	$24,682.00	$13,194.64	$26,389.28	$12,000.00	$24,000.00	$14,500.00	$29,000.00
W-11	Provide 1/2 -16" Water Main Offset	EA	1	$4,540.00	$4,540.00	$6,175.00	$6,175.00	$7,500.00	$7,500.00	$6,968.00	$6,968.00	$6,262.00	$6,262.00	$8,036.57	$8,036.57	$6,600.00	$6,600.00	$9,000.00	$9,000.00
W-12	Provide Cut-In 16"x6" Tee or 16"x6" Tapping Tee	EA	1	$3,300.00	$3,300.00	$3,815.00	$3,815.00	$4,000.00	$4,000.00	$4,950.00	$4,950.00	$3,995.00	$3,995.00	$4,974.25	$4,974.25	$3,300.00	$3,300.00	$7,000.00	$7,000.00
W-13	Remove Hydrant and appurtenance	EA	1	$400.00	$400.00	$750.00	$750.00	$500.00	$500.00	$118.00	$118.00	$363.00	$363.00	$1,010.00	$1,010.00	$715.46	$715.46	$2,500.00	$2,500.00
STREET & DRAINAGE																			
SD-01	Unclassified Excavation	CY	5250	$5.59	$29,347.50	$4.75	$24,937.50	$4.85	$25,462.50	$3.73	$19,582.50	$5.00	$26,250.00	$4.93	$25,882.50	$4.85	$25,462.50	$7.39	$38,797.50
SD-02	Unclassified Excavation (Dirt Pile off Commerce Drive)	CY	2800	$5.62	$15,736.00	$3.10	$8,680.00	$3.20	$8,960.00	$3.73	$10,444.00	$5.00	$14,000.00	$3.23	$9,044.00	$3.25	$9,100.00	$4.76	$13,328.00
SD-03	Topsoil Stripping at Profit Place and Below Berm	SY	6000	$0.30	$1,800.00	$0.55	$3,300.00	$0.58	$3,480.00	$1.14	$6,840.00	$0.75	$4,500.00	$0.59	$3,540.00	$0.60	$3,600.00	$0.60	$3,600.00
SD-04	Topsoil Stripping Behind Curb	SY	8410	$0.30	$2,523.00	$0.55	$4,625.50	$0.58	$4,877.80	$1.14	$9,587.40	$0.75	$6,307.50	$0.59	$4,961.90	$0.60	$5,046.00	$0.60	$5,046.00
SD-05	Topsoil Stripping and Fill Below Subgrade	SY	2610	$0.75	$1,957.50	$0.90	$2,349.00	$0.90	$2,349.00	$1.14	$2,975.40	$0.75	$1,957.50	$0.90	$2,349.00	$1.00	$2,610.00	$0.60	$1,566.00
SD-06	Rockland Ditching	SY	650	$1.00	$650.00	$2.70	$1,755.00	$2.75	$1,787.50	$5.21	$3,386.50	$5.10	$3,315.00	$2.81	$1,826.50	$3.00	$1,950.00	$5.80	$3,770.00
SD-07	Swale Ditching	SY	115	$7.17	$824.55	$1.90	$218.50	$2.00	$230.00	$5.21	$599.15	$9.10	$1,046.50	$1.96	$225.40	$3.50	$402.50	$5.20	$598.00
SD-08	Provide 1 1/4" Crushed Aggregate Base Course	TON	6100	$12.00	$73,200.00	$13.75	$83,875.00	$14.15	$86,315.00	$13.08	$79,788.00	$13.00	$79,300.00	$15.62	$95,282.00	$13.85	$84,485.00	$13.90	$84,790.00
SD-09	Provide Landscaping-Topsoil, Seed, Fertilizer and Mulch	SY	30100	$0.87	$26,187.00	$0.80	$24,080.00	$0.85	$25,585.00	$0.38	$11,438.00	$1.60	$48,160.00	$0.83	$24,983.00	$2.10	$63,210.00	$1.15	$34,615.00
SD-10	Provide Landscaping-Topsoil, Seed, Fertilizer, and Erosion Control Mat Class I-Urban	SY	2400	$2.34	$5,616.00	$2.30	$5,520.00	$2.35	$5,640.00	$0.68	$1,632.00	$3.20	$7,680.00	$2.38	$5,712.00	$4.00	$9,600.00	$4.03	$9,672.00
SPECIAL CONSTRUCTION																			
SC-01	Pipe Foundation Stabilization	CY	100	$20.00	$2,000.00	$0.01	$1.00	$20.00	$2,000.00	$0.01	$1.00	$0.01	$1.00	$26.26	$2,626.00	$12.00	$1,200.00	$12.00	$1,200.00
SC-02	Provide Silt Fence	LF	1550	$1.95	$3,022.50	$2.00	$3,100.00	$2.05	$3,177.50	$2.25	$3,487.50	$1.80	$2,790.00	$2.07	$3,208.50	$2.00	$3,100.00	$1.95	$3,022.50
SC-03	Erosion Bale Ditch Checks	EA	50	$15.00	$750.00	$15.00	$750.00	$20.00	$1,000.00	$72.00	$3,600.00	$24.00	$1,200.00	$15.91	$795.50	$20.00	$1,000.00	$10.00	$500.00
SC-04	Inlet Protection Type A	EA	11	$115.00	$1,265.00	$120.00	$1,320.00	$120.00	$1,320.00	$60.00	$660.00	$75.00	$825.00	$121.96	$1,341.56	$150.00	$1,650.00	$100.00	$1,100.00
SC-05	Inlet Protection Type D	EA	4	$115.00	$460.00	$120.00	$480.00	$120.00	$480.00	$60.00	$240.00	$100.00	$400.00	$121.96	$487.84	$100.00	$400.00	$100.00	$400.00
SC-06	Provide Heavy Rip Rap w/ Geotextile Fabric	SY	60	$53.00	$3,180.00	$50.00	$3,000.00	$50.00	$3,000.00	$45.00	$2,700.00	$39.00	$2,340.00	$50.50	$3,030.00	$42.00	$2,520.00	$110.00	$6,600.00
SC-07	Tracking Pad	EA	2	$750.00	$1,500.00	$900.00	$1,800.00	$950.00	$1,900.00	$2,500.00	$5,000.00	$1,080.00	$2,160.00	$945.97	$1,891.94	$1,800.00	$3,600.00	$1,000.00	$2,000.00
			TOTAL BID		**$1,121,940.05**		**$1,170,971.50**		**$1,225,874.30**		**$1,249,654.45**		**$1,283,928.50**		**$1,330,019.83**		**$1,446,446.46**		**$1,463,214.75**

City of De Pere, Wisconsin

Request For Board of Public Works Action

MEETING DATE:	**March 7, 2022**
DEPARTMENT:	**Engineering**
FROM:	**Eric Rakers**
SUBJECT:	**Consideration and possible action on award of Contract 22-20 American Boulevard and Commerce Drive Concrete Paving***

ATTACHMENTS:

- 2022 0307 CI_BOPW_Award_22-20 (PDF)
- 2022 0224 Project 22-20 Bid Tabulation (PDF)

CITY OF DE PERE
MEMO

To: Honorable Mayor Boyd
Members of the Board of Public Works
From: Eric P. Rakers, P.E., City Engineer
Date: March 7, 2022

RE: **Consideration and possible action on award of Contract 22-20 American Boulevard and Commerce Drive Concrete Paving***

The Engineering Department received bids on Project 22-20 American Boulevard and Commerce Drive Concrete Paving on February 24, 2022. This work will complete the concrete paving on American Boulevard from the southerly end to the City limits and for Commerce Drive from the southerly end to Rockland Road. The project also includes the construction of streetlights. The bids received are as follows:

Contractor	Amount
Vinton Construction Company	$1,600,171.60

The allocated amount for this project is $1,680,000 with funding as follows:

- TID 12 $1,180,000
- TID 17 $ 500,000

Unfortunately, we only had one bidder on this project. With that, prices are reasonable when compared with 2021 concrete prices. For this project the cost for 9" concrete is $42.46 per square yard. In 2021, the costs for 9" concrete on the Commerce Drive extension was $40.25 per square yard.

Staff's recommendation is to accept the bid from Vinton Construction Company in the amount of $1,600,171.60.

Attachments:
2022 0224 CE Project 22-20 Bid Tabulation (PDF)

DE PERE

PROJECT 22-20 AMERICAN BOULEVARD & COMMERCE DRIVE CONCRETE PAVING
BID TAB

				BIDDER NO. 1 Vinton Construction Company	
ITEM	**DESCRIPTION**	**UNIT**	**QTY**	**UNIT PRICE**	**AMOUNT BID**
STORM SEWER					
ST-01	Provide Type B Inlet Casting	EA	1	$916.00	$916.00
ST-02	Provide Type A Field Inlet Casting	EA	1	$916.00	$916.00
STREET AND DRAINAGE					
SD-01	Unclassified Excavation, Pavement Removal, and Borrow Placement Commerce Cul de Sac	LS	1	$7,500.00	$7,500.00
SD-02	Provide Borrow Material and Placement adjacent to Curb	LF	11,200	$2.40	$26,880.00
SD-03	Provide 1 1/4" Crushed Aggregate Base Course	TON	850	$13.82	$11,747.00
SD-04	Provide 3/4" Crushed Aggregate Base Course	TON	150	$20.00	$3,000.00
SD-05	Provide 24" Concrete Curb and Gutter	LF	1,000	$17.90	$17,900.00
SD-06	Provide 9" Doweled Concrete Pavement with Integral Curb	SY	22,850	$42.46	$970,211.00
SD-07	Remove Concrete and/or Asphalt and Replace with 9" Concrete Pavement with Integral Curb (American Boulevard Patch)	SY	250	$70.00	$17,500.00
SD-08	Remove Replace with 9" Concrete Pavement with Integral Curb (Commerce Drive Patch)	SY	100	$70.00	$7,000.00
SD-09	Provide Raised and Corrugated Concrete Median	SY	230	$82.47	$18,968.10
SD-10	Provide 24" Integral Curb and Gutter	LF	10,200	$15.00	$153,000.00
SD-11	Provide 4" Concrete Sidewalk, Ramp, and Driveway	SY	590	$46.30	$27,317.00
SD-12	Provide 6" Concrete Sidewalk, Ramp, and Driveway	SY	20	$54.00	$1,080.00
SD-13	Provide 8" Concrete Sidewalk, Ramp, and Driveway	SY	200	$65.20	$13,040.00
SD-14	Provide #4 Reinforcement Bars for Curb and Sidewalk	LF	160	$2.00	$320.00
SD-15	Drilled Tie Bars (Existing Sidewalk, Driveway, and Curb and Gutter)	EA	12	$8.00	$96.00
SD-16	Drilled Dowel Bars	EA	100	$20.00	$2,000.00
SD-17	Drilled Tie Bars (Concrete Pavement)	EA	50	$8.00	$400.00
SD-18	Pavement Marking Stop Line Epoxy 12-Inch (Yellow)	LF	90	$12.00	$1,080.00
SD-19	Pavement Marking Epoxy 8-Inch (White)	LF	120	$2.75	$330.00
SD-20	Pavement Marking Epoxy 4-Inch (Yellow)	LF	6,760	$1.15	$7,774.00
SD-21	Pavement Marking Epoxy 4-Inch (Double Yellow)	LF	310	$2.75	$852.50
SD-22	Pavement Marking Epoxy 4-Inch (White)	LF	5,960	$1.15	$6,854.00
SD-23	Pavement Marking Epoxy Corrugated Median (Yellow)	SY	90	$15.00	$1,350.00
SD-24	Pavement Marking Epoxy Island Nose (Yellow)	EA	2	$250.00	$500.00
SD-25	Pavement Marking Arrows Epoxy Type-2 (White)	EA	13	$275.00	$3,575.00
SD-26	Pavement Marking Arrows Epoxy Type-5 Lane Drop (White)	EA	2	$400.00	$800.00
SD-27	Pavement Marking Epoxy Bike Lane Arrow (White)	EA	9	$150.00	$1,350.00
SD-28	Pavement Marking Epoxy Bike Lane Symbol (White)	EA	9	$150.00	$1,350.00
SD-29	Pavement Marking Epoxy Bike Lane Words (White)	EA	1	$250.00	$250.00
SD-30	Provide Detectable Warning Field (Natural)	EA	2	$300.00	$600.00
SD-31	Landscaping-Topsoil, Seed, Fertilizer and Mulch	SY	4,700	$1.70	$7,990.00
SPECIAL CONSTRUCTION					
SC-01	Inlet Protection Type D	EA	40	$140.00	$5,600.00
SC-02	Adjust Inlet	EA	31	$250.00	$7,750.00
SC-03	Adjust Field inlet	EA	1	$250.00	$250.00
SC-04	Provide End of Roadway Marker (W5-56)	EA	3	$150.00	$450.00
SC-05	Provide "STOP" Sign (R1-1)	EA	2	$275.00	$550.00
SC-06	Provide Right Reverse Curve Arrow Symbol Sign (W1-4R)	EA	2	$325.00	$650.00
SC-07	Provide "25 MPH" Advisory Speed Sign (W13-1)	EA	2	$240.00	$480.00

PROJECT 22-20 AMERICAN BOULEVARD & COMMERCE DRIVE CONCRETE PAVING
BID TAB

				BIDDER NO. 1 Vinton Construction Company	
ITEM	**DESCRIPTION**	**UNIT**	**QTY**	**UNIT PRICE**	**AMOUNT BID**
SC-08	Provide Median Ahead with Two Way Arrows Symbol Sign (W6-1)	EA	1	$300.00	$300.00
SC-09	Provide Median Behind with Two Way Arrows Symbol Sign (W6-2)	EA	1	$300.00	$300.00
SC-10	Provide "DO NOT ENTER" Sign (R5-1)	EA	1	$300.00	$300.00
SC-11	Provide "WRONG WAY" Sign (R5-1A)	EA	1	$300.00	$300.00
SC-12	Provide Median on Left Symbol Sign (R4-7)	EA	1	$275.00	$275.00
SC-13	Provide "LANE ENDS MERGE LEFT" Sign (W9-2L)	EA	1	$300.00	$300.00
SC-14	Provide Merge Left Symbol Sign (W4-2R)	EA	1	$275.00	$275.00
SC-15	Traffic Control - American Boulevard Patch	LS	1	$1,500.00	$1,500.00
SC-16	Traffic Control - American Boulevard Paving	LS	1	$3,600.00	$3,600.00
SC-17	Traffic Control - Commerce Drive Paving	LS	1	$2,100.00	$2,100.00
ELECTRICAL					
E-01	Conduit Rigid Nonmetallic Schedule 40, 2-Inch	LF	5,850	$10.00	$58,500.00
E-02	Conduit Bored, 2-Inch	LF	360	$24.00	$8,640.00
E-03	Pull Box 24x42 Inch	EA	8	$900.00	$7,200.00
E-04	Concrete Base, Type 5	EA	22	$925.00	$20,350.00
E-05	Poles, Type 5-Aluminum Anodized Black	EA	22	$1,850.00	$40,700.00
E-06	Transformer Base Breakaway 11 1/2 Bolt Circle, Anodized Black with Factory Applied Black Finish	EA	22	$750.00	$16,500.00
E-07	Luminaire Arms Single Member Mast Arm 4-1/2 Inch Clamp, 8-foot, Anodized Black	EA	10	$375.00	$3,750.00
E-08	Luminaire Arms Single Member Truss Type Arm 4-1/2 Inch Clamp, 12-foot, Anodized Black	EA	12	$675.00	$8,100.00
E-09	Concrete Control Cabinet Base, Type L24	EA	2	$1,750.00	$3,500.00
E-10	Lighting Control Cabinet, 120/240 24-inch	EA	2	$8,000.00	$16,000.00
E-11	Electrical Service Meter Breaker Pedestal	EA	2	$1,750.00	$3,500.00
E-12	Electrical Wire Lighting 12 AWG	LF	1,080	$1.00	$1,080.00
E-13	Electrical Wire Lighting 4 AWG	LF	25,100	$2.25	$56,475.00
E-14	Luminaires Utility LED	EA	22	$725.00	$15,950.00
E-15	Remove Existing Light Pole (Salvage to City) and Base	EA	1	$500.00	$500.00
			TOTAL AMOUNT BID:		**$1,600,171.60**