



City of New Berlin

City of New Berlin ▪ 3805 S. Casper Drive ▪ New Berlin, Wisconsin 53151-0921 ▪ (262)786-8610 ▪ www.newberlin.org

ITEM INFORMATION COVER SHEET

ITEM:

January 25, 2022 Meeting Minutes

ATTACHMENTS:

1. January 25, 2022 Utility Committee Minutes

DEPARTMENT:

UTILITY

ITEM INTRODUCED AT:

UTILITY COMMITTEE, 2/22/22 MEETING

FURTHER REVIEW/ACTION REQUIRED?:

N/A

**CITY OF NEW BERLIN
UTILITY COMMITTEE - MINUTES
Tuesday, January 25, 2022**

Second by: Commissioner Anderson
Motion Passed 4-0

ITEM UT 03-22 Discussion and possible action in regard to the Moorland Road Reconstruction Project to investigate alternatives, design engineering and plan specifications for water infrastructure. Presented by CBS Squared.

MOTION: Utility Manager presented the Moorland Road Reconstruction Project options.

Motion to move forward with options 1 and 3 to investigate alternatives, design engineering and plan specifications for water infrastructure on the Moorland Road Reconstruction Project.

VOTE: Motion by: Alderman Garrigues
Second by: Alderman Hopkins
Motion Passed 4-0

CLOSED SESSION

The basis for the items to be discussed in Closed Session are as enumerated in Section 19.85(1)(e) of the Wisconsin State Statutes. (e) Deliberating or negotiating the purchasing of public properties, the investing of public funds, or conducting other specified business whenever competitive or bargaining reasons require a Closed Session, more specifically:

UT 04-22 Discussion and possible action related to investigation alternatives, design engineering and plan specifications, bidding documents, construction inspection and administration for the sale of the Glen Park Pump House located at 3615 S Cottonwood Road, New Berlin, WI.

MOTION: Motion to enter into closed session at 4:58PM

VOTE: Motion by: Alderman Hopkins
Second by: Commissioner Anderson
Motion Passed 4-0

MOTION: Motion to reconvene to Open session at 5:10PM

VOTE: Motion by: Alderman Hopkins
Second by: Commissioner Anderson
Motion Passed 4-0

UT 04-22 Discussion and possible action related to investigation alternatives, design engineering and plan specifications, bidding documents, construction inspection and administration for the sale of the Glen Park Pump House located at 3615 S Cottonwood Road, New Berlin, WI.

No Action

UPDATES Utility Manager Jim Hart provided updates on the following

Booster Pump Upgrade
Booster Pump Upgrade at Well #7 will be starting soon

Electrical Upgrade
The Electrical Upgrade that started last year is about 3/4's of the way finished.

Security Upgrade

The Security Upgrade is complete. All security cameras are in the places needed

West Ridge Liftstation Reconstruction Project

The West Ridge Lift-station Reconstruction Project is being bid out February 10, 2022 so we will revisit next month

Bid Opening February 10, 2022**PPI/I Dye Testing Bids Due February 10, 2022**

With the money we received back from MMSD for flow testing or relining projects we are doing a dye water testing in the Greenridge East Subdivision. Bid Opening scheduled for February 10, 2022. There may be relining project in Regal Manor West in the future

Supply Cost Increases

Supply costs have increased and are taking a long time for delivery so we are trying to get stock on hand in case of emergency

ADJOURN

MOTION: **Motion to Adjourn at 5:16PM**

VOTE: Motion by: Alderman Garrigues
 Seconded By: Commissioner Anderson
 Motion Passed 4-0

Respectfully Submitted

Sherri L Hanson, Deputy City Clerk/Elections Specialist



ITEM INFORMATION COVER SHEET

ITEM:

UT 02-22 Recommend to the Common Council to approve the Professional Services Agreement Amendment #2 in the amount of \$74,900.00 for construction services, administration, inspection services and project closeout needed to complete the reconstruction project. Total cost for consultant services not to exceed \$149,000.00.

ATTACHMENTS:

1. PROFESSIONAL SERVICES AGREEMENT AMENDMENT #2

DEPARTMENT:

UTILITY

ITEM INTRODUCED AT:

UTILITY COMMITTEE, 2/22/22 MEETING

FURTHER REVIEW/ACTION REQUIRED?:

YES, COMMON COUNCIL – 3/8/22 MEETING



March 8, 2022

TO: Common Council
Mayor Ament
Alderman Ken Harenda

FROM: Utility Committee

RE: Items from the Utility Committee Meeting from February 22, 2022 requiring Common Council action.

UT 02-22 Recommend to the Common Council to approve the Professional Services Agreement Amendment #2 in the amount of \$74,900.00 for construction services, administration, inspection services and project closeout needed to complete the reconstruction project. Total cost for consultant services not to exceed \$149,000.00.

This item was considered at the Utility Committee meeting on February 22, 2022. It was recommended to the Common Council on a vote of 3-0. Motion to approve Professional Services Agreement Amendment #2 to Clark Dietz in the amount of \$74,900.00 for construction services, administration, inspection services and project closeout needed to complete the reconstruction project. Total cost for consultant services not to exceed \$149,000.00.

UT 05-22 Recommend to the Common Council to award the construction contract for the West Ridge Lift Station Upgrade to the lowest responsive bidder, August Winter & Sons, Inc. in the amount of \$1,346,000.00

This item was considered at the Utility Committee meeting on February 22, 2022. It was recommended to the Common Council on a vote of 3-0. Motion to approve the construction contract for the West Ridge Lift Station Upgrade to the lowest responsive bidder, August Winter & Sons, Inc. in the amount of \$1,345,000.00 with alternate #1 of \$11,000.00 for a steel constructed roof for a total of \$1,346,000.00 with an additional 10% contingency of \$134,600.00. Total project cost \$1,480,600.00.

UT 06-22 Recommend to the Common Council to award the construction contract for the 2022 Private Property I/I Dye Water Testing Project to the lowest responsive bidder, Visu-Sewer, Inc. in the amount of \$64,089.40

This item was considered at the Utility Committee meeting on February 22, 2022. It was recommended to the Common Council on a vote of 3-0. Motion to award the construction contract for the 2022 Private Property I/I Dye Water Testing Project to the lowest responsive bidder, Visu-Sewer, Inc. in the amount of \$64,089.40 with a 5% contingency of \$3,204.47. Total project not to exceed \$67,293.87.

UTILITY STAFF REPORT

EXECUTIVE SUMMARY

CUSTOMER/PROJECT: West Ridge Lift Station Reconstruction Project

LOCATION: 4950 S Moorland Road

REQUEST:

To approve professional services contract revision for construction engineering services, administration services and inspection services for the project.

UTILITY MANAGER RECOMMENDATION:

Recommend to the Common Council to approve the Professional Services Agreement Amendment #2 in the amount of \$74,900.00 for construction services, administration, inspection services and project closeout needed to complete the reconstruction project. Total cost for consultant services not to exceed \$149,000.00.

Initial Contract:	\$66,500.00
Revision #1:	\$ 7,600.00
<u>Revision #2:</u>	<u>\$74,900.00</u>
Total	\$149,000.00

DETAILS IN ATTACHED STAFF REPORT

**CITY OF NEW BERLIN
UTILITIES DEPARTMENT
STAFF REPORT**

WEST RIDGE LIFT STATION RECONSTRUCTION PROJECT

DATE STAFF REPORT CREATED: February 15, 2022

CUSTOMER/PROJECT NAME: West Ridge Lift Station Reconstruction Project

ISSUE/DESCRIPTION OF PROJECT:

The accepted bid for this project came in below the budget, thus staff is requesting the West Ridge Reconstruction Project to proceed as planned. As stated in the original Professions Services Agreement, staff recognized that the need for a Construction Service Agreement would be needed to complete this project.

DATE OF COMPLETENESS:

REQUESTED ACTION:

Recommend to the Common Council to approve the Professional Services Agreement Amendment #2 in the amount of \$74,900.00 for construction services, administration, inspection services and project closeout needed to complete the reconstruction project. Total cost for consultant services not to exceed \$149,000.00.

Initial Contract:	\$66,500.00
Revision #1:	\$ 7,600.00
<u>Revision #2:</u>	<u>\$74,900.00</u>
Total	\$149,000.00

FISCAL IMPACT: \$149,000.00

SOURCE OF FUNDS: Wastewater CIP

RATIONALE:

This work is necessary to complete the plans to perform the upgrade in 2022/2023.

NOTE: Construction Services Agreement will be needed when project takes place.

PROFESSIONAL SERVICES AGREEMENT

AMENDMENT NUMBER 2

Project Name ("Project")

Westridge Lift Station Rehabilitation

This Amendment to the Westridge Lift Station Rehabilitation project dated May 10, 2021 is by and between:

City of New Berlin ("Client")

3805 S Casper Drive
New Berlin, WI 53151

and

Clark Dietz, Inc. ("Clark Dietz")

500 North 3rd Street, Suite 703
Wausau, WI 54403

Who agree as follows:

Whereas; Clark Dietz will provide Construction Engineering Services for the Westridge Lift Station Rehabilitation project.

Now Therefore; this Amendment engages Clark Dietz to perform the services set forth in Part I - Services and Clark Dietz agrees to perform the Services for the compensation set forth in Part III - Compensation. Clark Dietz shall be authorized to commence the Services upon execution of this Amendment by both parties and written or verbal authorization to proceed from Client. Client and Clark Dietz agree that this signature page, together with Parts I - III of this Amendment and the original Agreement, incorporated and made a part herewith, constitute the entire Agreement between them relating to the Project.

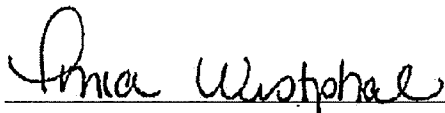
Agreed to by Client

By: _____

Title: _____

Date: _____

Agreed to by Clark Dietz

By: 

Title: Vice President

Date: 2/11/22

PART I
SERVICES BY CLARK DIETZ

A. Amendment Description

The work of this amendment includes construction engineering services for the Westridge Lift Station Rehabilitation project. Construction engineering services shall consist of part-time onsite observation, contractor coordination, and associated documentation.

B. Scope

The original contract scope shall be modified as follows:

1. DESIGN PHASE – No change.
2. BIDDING/NEGOTIATION PHASE – No change.
3. CONSTRUCTION PHASE
 - a. Prepare Notice to Proceed and issue to the Contractor.
 - b. Set up a pre-construction conference between the Contractor and City staff. Prepare and distribute minutes from the meeting.
 - c. Review all contractor submittals, shop drawings, test results, etc. prior to Contractor fieldwork.
 - d. Act as the City's representative throughout construction of the project.
 - e. Provide part-time onsite engineering observation services during construction to check for consistency with the bid documents.
 - f. The construction observer will authorize minor variations in the work in the field that do not affect the contract cost or time, if such variations are consistent with the general requirements of the Contract Documents.
 - g. The construction observer will provide the Contractor with technical clarifications and interpretations while onsite.
 - h. The Project Manager will provide oversight and provide regular updates to City staff during project construction.
 - i. Review Contractor pay request submittals for accuracy and verify work completed. Upon review, make a recommendation to the City for payment.
 - j. Review change order requests to assess their need. If a change order is warranted, provide documentation why a change order is needed and then forward the request to City staff for review and implementation into the contract.
 - k. Assist with the project close-out. Perform a final inspection of the work after the work is completed. Prepare and present punch-lists to Contractor. Provide an "As-Built" set of plans, including a set of reproducible record drawings in an electronic Autocad version.

C. Schedule

The schedule will be revised from the Professional Services Agreement as shown.

Project Bid Date	February 10, 2022
Issue Notice to Proceed	March 9, 2022
Pre-construction Meeting	March 29, 2022
All Work Complete	June 2, 2023*

*This is the final completion date included in the project manual. The schedule is contingent upon the lead time and delivery of the project materials and equipment which is solely controlled by the manufacturers.

D. Assumptions/Conditions – No Change

E. Electronic Data Format – No Change

**PART II
CLIENT'S RESPONSIBILITIES**

Client shall, at its expense, do the following in a timely manner so as not to delay the Amended services:

A. Information/Reports – No Change

B. Representative – No Change

C. Decisions – No Change

D. Other – No Change

**PART III
COMPENSATION**

A. Compensation

Compensation for the Services under this Amendment shall be as follows:

Total compensation to Clark Dietz for services rendered on the Project in accordance with PART I, SERVICES BY CLARK DIETZ of this Amendment will be a lump sum amount of \$74,900.00. This lump sum compensation includes salaries, payroll taxes and insurance, employee fringe benefits, general overhead costs, profit, and project related expenses. This Amendment increases the total compensation authorized to \$149,000.00.

B. Billing and Payment – No Change



ITEM INFORMATION COVER SHEET

ITEM:

UT 05-22 Recommend to the Common Council to award the construction contract for the West Ridge Lift Station Upgrade to the lowest responsive bidder, August Winter & Sons, Inc. in the amount of \$1,346,000.00.

ATTACHMENTS:

1. CONSTRUCTION CONTRACT FOR THE WEST RIDGE LIFT STATION

DEPARTMENT:

UTILITY

ITEM INTRODUCED AT:

UTILITY COMMITTEE, 2/22/22 MEETING

FURTHER REVIEW/ACTION REQUIRED?:

YES, COMMON COUNCIL – 3/8/22 MEETING

STAFF REPORT

EXECUTIVE SUMMARY

CUSTOMER/PROJECT: West Ridge Lift Station Upgrade

LOCATION: West Ridge Lift Station
4950 S Moorland Road

REQUEST:

Award construction contract for the West Ridge Lift Station Upgrade Project.

UTILITY MANAGER RECOMMENDATION:

Recommend to the Common Council to award the construction contract for the West Ridge Lift Station Upgrade to the lowest responsive bidder, August Winter & Sons, Inc., in the amount of \$1,346,000.00 with an additional \$134,600.00 ten percent (10%) for contingencies. Total construction cost of the project is not to exceed \$1,480,600.00

1. In February 2022, the City of New Berlin solicited bids for the West Ridge Lift Station Upgrade Project. This Project consists of upgrading the lift station electrically, eliminating a major safety hazard in removing the elevator, adding a new building above ground for new pump controls, pumps and generator to the site.
2. On February 10, 2022, the Utility received two (2) bids for the West Ridge Upgrade Project. Staff received the bids and determined that August Winter & Sons, Inc. was the lowest responsive bidder.
3. A bid award recommendation letter is attached to the Staff Report.

DETAILS IN ATTACHED STAFF REPORT

**CITY OF NEW BERLIN
UTILITIES DEPARTMENT
STAFF REPORT**

WEST RIDGE LIFT STATION UPGRADE PROJECT

DATE STAFF REPORT CREATED: February 15, 2022

CUSTOMER/PROJECT NAME: City of New Berlin
West Ridge Lift Station Upgrade Project

ISSUE/DESCRIPTION OF PROJECT:

This project consists of eliminating the elevator, a major safety issue. Upgrading the lift station pump controls and electrical components.

DATE OF COMPLETENESS DETERMINATION:

REQUESTED ACTION:

Recommend to the Common Council to award the construction contract for the West Ridge Lift Station Upgrade to the lowest responsive bidder, August Winter & Sons, Inc., in the amount of \$1,346,000.00 with an additional \$134,600.00 ten percent (10%) for contingencies. Total construction cost of the project is not to exceed \$1,480,600.00

FISCAL IMPACT:

Construction Contract:	\$1,346,000.00
<u>Contingencies:</u>	<u>\$ 134,000.00</u>
Total	\$1,480,600.00

SOURCE OF FUNDS: Wastewater CIP Account #80-107000

RATIONAL:

This project is needed to upgrade this lift station, plus eliminating a safety hazard by removing an elevator from this site.

Safety Issues:

- Electrical
- Elevator Issues
- Can only control pumps from down in the dry well
- Have to perform pump repairs in a confined space

PREVIOUS ACTION: N/A

FINDINGS: N/A

UTILITY MANAGER RECOMMENDATION: See Executive Summary

ATTACHMENTS: Award Letter



February 11, 2022

Jim Hart
Utility Manager
City of New Berlin
4000 S. Casper Drive
New Berlin, WI 53151

Re: Westridge Lift Station Rehabilitation

Dear Jim,

We have reviewed and tabulated the two bids received for the Westridge Lift Station Rehabilitation project and confirmed that the as-read low bidder, August Winter & Sons, Inc. of Appleton, Wisconsin, is the low bidder for this project. The bid amounts received are as follows:

August Winter & Sons, Inc.	\$ 1,335,000.00
Mid City Corporation	\$ 1,346,000.00

Clark Dietz recommends that the City award a contract to the low bidder, **August Winter & Sons, Inc.** for the bid amount of **\$1,335,000.00**. The City also has the option of accepting the alternate addition of \$11,000 for a standing seam metal roof instead of a shingled roof.

If you have any questions or require additional information regarding this matter, please contact our office.

Sincerely,

Diane L. Thoune, PE
Project Manager
Clark Dietz, Inc.

City of New Berlin Utilities

Westridge Lift Station Rehabilitation

Bid Tabulation

Date: 2/10/2022, 10:00 a.m.

No.	Items	Unit	Quantity	Mid City Corporation		August Winter & Sons, Inc.	
				Unit Price	Cost	Unit Price	Cost
1	Base Bid	Lump Sum	1	\$ 1,346,000.00	\$ 1,346,000.00		
2	Alternate	Lump Sum	1	\$ 17,500.00	\$ 17,500.00		



City of New Berlin

City of New Berlin ▪ 3805 S. Casper Drive ▪ New Berlin, Wisconsin 53151-0921 ▪ (262)786-8610 ▪ www.newberlin.org

ITEM INFORMATION COVER SHEET

ITEM:

UT 06-22 Recommend to the Common Council to award the construction contract for the 2022 Private Property I/I Dye Water Testing Project to the lowest responsive bidder, Visu-Sewer, Inc. in the amount of \$64,089.40

ATTACHMENTS:

1. CONSTRUCTION CONTRACT FOR 2022 PRIVATE PROPERTY I/I DYE WATER TESTING PROJECT

DEPARTMENT:

UTILITY

ITEM INTRODUCED AT:

UTILITY COMMITTEE, 2/22/22 MEETING

FURTHER REVIEW/ACTION REQUIRED?:

YES, COMMON COUNCIL – 3/8/22 MEETING

UTILITY STAFF REPORT

EXECUTIVE SUMMARY

CUSTOMER/PROJECT: City of New Berlin 2022 Private Property I/I Dye Water Testing Project (PPII)

LOCATION: Green Ridge East Area

REQUEST: Award Construction Contract for 2022 Private Property I/I Dye Water Testing Project.

UTILITY MANAGER RECOMMENDATION:

Recommend to the Common Council to award the construction contract for the 2022 Private Property I/I Dye Water Testing Project to the lowest responsive bidder, Visu-Sewer, Inc., in the amount of \$64,089.40 with an additional \$3,204.47 (5%) for contingencies. Total project cost not to exceed \$67,293.87.

1. In July, 2022, the City of New Berlin Utility solicited bids for Private Property I/I Dye Water Testing Investigation in Green Ridge East area.
2. On February 10th, 2022, the Utility received two (2) bids for the PP I/I Project. Staff reviewed the bids and determined that Visu-Sewer, Inc. was the lowest responsive, responding bidder.
3. A bid award recommendation and summary of bid job is attached to the staff report.

DETAILS IN ATTACHED STAFF REPORT

**CITY OF NEW BERLIN
UTILITIES DEPARTMENT
STAFF REPORT**

2022 Private Property I/I Dye-Water Testing Project

DATE STAFF REPORT CREATED: February 15, 2022

CUSTOMER/PROJECT NAME: City of New Berlin

ISSUE/DESCRIPTION OF PROJECT: The project consists of cleaning, CCTVing and inspection of approximately 44,000 lineal feet of sanitary sewer in the Green Ridge East area.

DATE OF COMPLETENESS DETERMINATION:

REQUESTED ACTION:
Recommend to the Common Council to award the construction contract for the 2022 Private Property I/I Dye Water Testing Project to the lowest responsive bidder, Visu-Sewer, Inc., in the amount of \$64,089.40 with an additional \$3,204.47 (5%) for contingencies. Total project cost not to exceed \$67,293.37.

FISCAL IMPACT: \$67,293.37 - Funds to be reimbursed from MMSD Intergovernmental Agreement

SOURCE OF FUNDS: #8100-1131-52050 - MMSD Grant Fund
Account/Utility will be reimbursed for expenses.

RATIONALE:
To investigate our system for I/I and Private Property I/I. We need to continue using funds available for cleaning, testing and inspections. MMSD will reimburse funds used to the City of New Berlin for all costs associated with the project.

UNIQUE SITE CHARACTERISTICS: N/A

SANITARY SEWER PROVISION: N/A

WATER USAGE CALCULATION: N/A

ENVIRONMENTAL IMPACT: N/A

PLANNING COMMISSION APPROVAL:

TRAFFIC IMPACT: N/A

City of New Berlin 2022 Sewer Dye Water Testing (#8105803)

Owner: City of New Berlin

raSmith Project Number: 1214611

Bid Opening: 02/10/2022 11:00 AM CST

				Visu-Sewer		Northern Pipe, Inc.	
Item No.	Item Description	UofM	Quantity	Unit Price	Extension	Unit Price	Extension
Bid Schedule							
1	Traffic Control	LS	1	\$2,500.00	\$2,500.00	\$1,000.00	\$1,000.00
2	Televis Sanitary Lateral	EA	73	\$250.00	\$18,250.00	\$149.00	\$10,877.00
3	Clean & Televis Sanitary Sewer with Storm Sewer/Ditch Dye Water Testing	LF	16669	\$2.60	\$43,339.40	\$4.24	\$70,676.56
	Base Bid Total:				\$64,089.40		\$82,553.56

July 17, 2015

Mr. Jim Hart, Utility Manager
City of New Berlin Water and Wastewater Utility
3805 South Casper Drive
New Berlin, WI 53151

Re: City of New Berlin
2015 Sewer Dye Water Testing - Award Recommendation

Dear Mr. Hart:

We have reviewed the bids for the above referenced project that were opened at 2:00 p.m. on July 16, 2015. A summary of the bids is as follows (also enclosed are the itemized bids for each contractor):

	<u>Total Bid</u>
Visu-Sewer, Inc.	\$117,260.00
Mi-Tech Services, Inc.	\$129,169.00
The Expeditors, Inc.	\$150,092.00
National Power Rodding Corp.	\$388,100.00

We believe that the Visu-Sewer, Inc. price is reasonable and is submitted competitively in good faith.

We recommend that the City of New Berlin Water and Wastewater Utility award the contract to the low bidder, Visu-Sewer, Inc., in the amount of \$117,260.00.

Please feel free to call me if you have any questions or comments regarding the above.

Sincerely,
R.A. Smith National, Inc.



Chris M. Stamborski, P.E.
Senior Project Manager

Enclosure

c: Kari Morgan, City of New Berlin Clerk (email copy)
Jerome Flogel, P.E., MMSD-Sr. Project Manager, PPII Program (email copy)

\\Rasmith.com\Brookfield\Municipal\1154609\Doc\EL150717Hart 2015 New Berlin Dye Testing Award Reccom Letter.docx

Deliver excellence, vision, and responsive service to our clients.

CITY OF NEW BERLIN
CITY OF NEW BERLIN - 2015 SEWER DYE WATER TESTING
BID SUMMARY
BID OPENING: JULY 16, 2015

U7-15

Item	Item Description	Qty.	Unit	Low Bidder		2		3		4	
				Unit \$	Total	Unit \$	Total	Unit \$	Total	Unit \$	Total
1	Clean and Televis 8"-18" Sanitary Sewer with Storm Sewer Dye Water Testing	43,700	L.F.	\$ 2.30	\$ 100,510.00	\$ 2.87	\$ 125,419.00	\$ 3.16	\$ 138,092.00	\$ 8.00	\$ 349,600.00
2	Televis Sanitary Lateral (Less than 3 per set-up)	10	EA	\$395.00	\$ 3,950.00	\$ 75.00	\$ 750.00	\$300.00	\$ 3,000.00	\$850.00	\$ 8,500.00
3	Televis Sanitary Lateral (3 or more per set-up)	40	EA	\$320.00	\$ 12,800.00	\$ 75.00	\$ 3,000.00	\$225.00	\$ 9,000.00	\$750.00	\$ 30,000.00
TOTALS				\$	117,260.00	\$	129,169.00	\$	150,092.00	\$	388,100.00

R.A. Smith National
*Beyond Surveying
and Engineering*



City of New Berlin

City of New Berlin ▪ 3805 S. Casper Drive ▪ New Berlin, Wisconsin 53151-0921 ▪ (262)786-8610 ▪ www.newberlin.org

ITEM INFORMATION COVER SHEET

ITEM:

UT 04-22 Discussion and possible action related to the sale of the Glen Park Pump House property, located at 3615 S Cottonwood Road in New Berlin.

ATTACHMENTS:

1. GLEN PARK PUMP STATION INFORMATION
2. CITY ATTORNEY MEMO

DEPARTMENT:

UTILITY

ITEM INTRODUCED AT:

UTILITY COMMITTEE, 2/22/22 MEETING

FURTHER REVIEW/ACTION REQUIRED?:

YES, COMMON COUNCIL – CLOSED SESSION, 2/22/22 MEETING



City of New Berlin

City of New Berlin ▪ 3805 S. Casper Drive ▪ New Berlin, Wisconsin 53151-0921 ▪ (262)786-8610 ▪ www.newberlin.org

ITEM INFORMATION COVER SHEET

ITEM:

UT 04-22 Discussion and possible action related to the sale of the Glen Park Pump House property, located at 3615 S Cottonwood Road in New Berlin.

ATTACHMENTS:

1. GLEN PARK PUMP STATION INFORMATION
2. CITY ATTORNEY MEMO

DEPARTMENT:

UTILITY

ITEM INTRODUCED AT:

UTILITY COMMITTEE, 2/22/22 MEETING

FURTHER REVIEW/ACTION REQUIRED?:

YES, COMMON COUNCIL – CLOSED SESSION, 2/22/22 MEETING



City of New Berlin

City of New Berlin ▪ 3805 S. Casper Drive ▪ New Berlin, Wisconsin 53151-0921 ▪ (262)786-8610 ▪ www.newberlin.org

ITEM INFORMATION COVER SHEET

ITEM:

UT 03-22 Update from CBS Squared in regard to the Moorland Road Reconstruction Project.

ATTACHMENTS:

1. UPDATE FROM CBS SQUARED

DEPARTMENT:

UTILITY

ITEM INTRODUCED AT:

UTILITY COMMITTEE, 2/22/22 MEETING

FURTHER REVIEW/ACTION REQUIRED?:

N/A

New Berlin Moorland Rd/CTH O Water Main Rehabilitation

Project Update - February 2022

Tia McCarthy, P.E.
CBS Squared, Inc.
NEWBE 20001



Options Review

Option 1: Water main lining

Selected

~~**Option 2: Water main replacement (trenched)**~~

Option 3: Valve and hydrant replacement

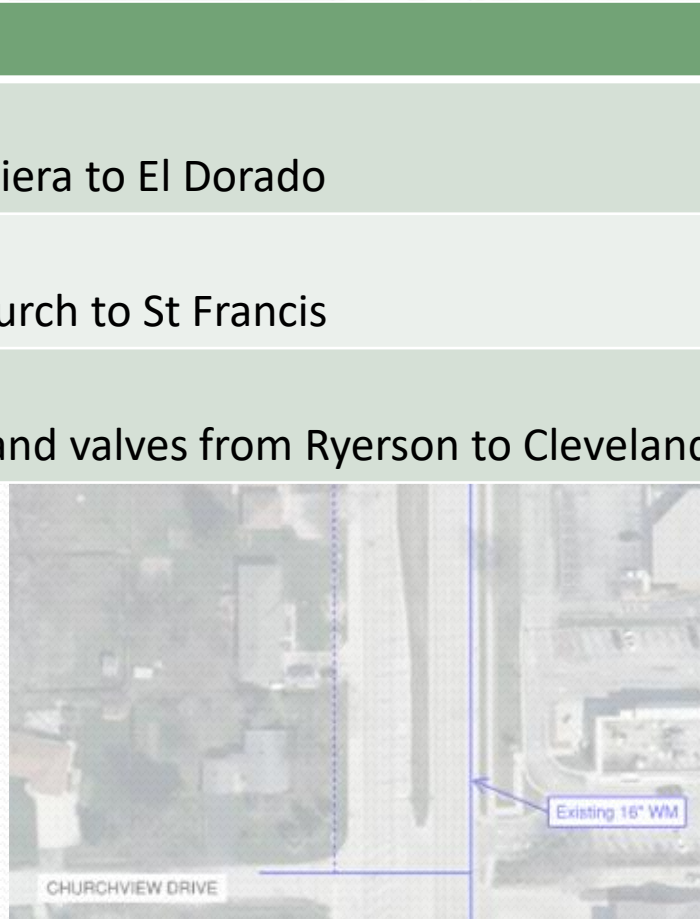
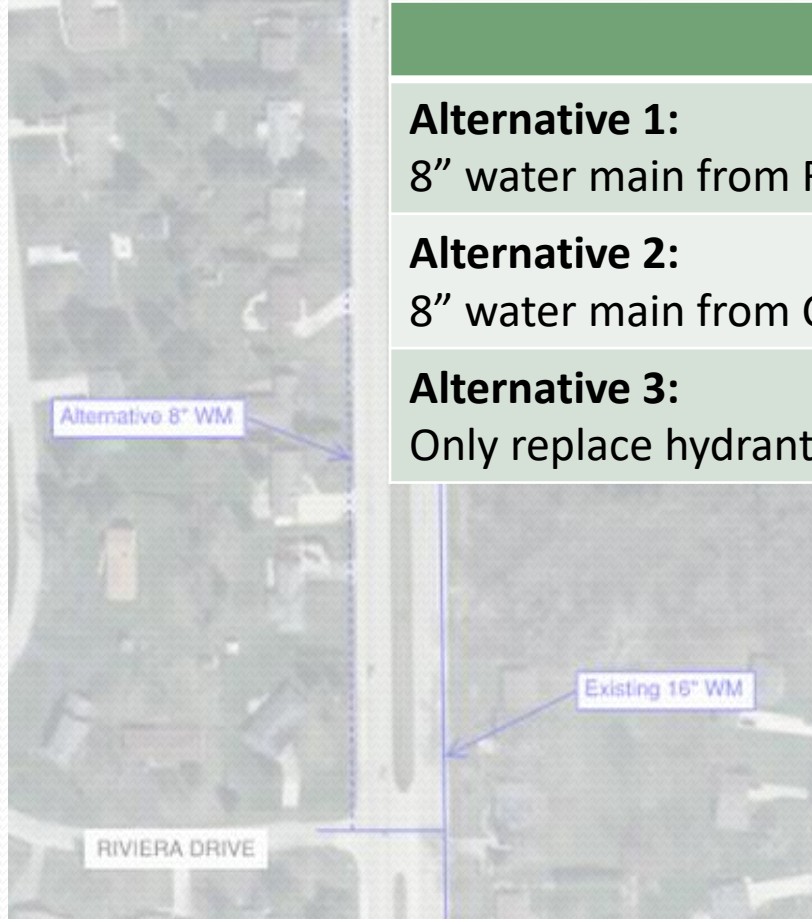
Back Up

Design Schedule

Date	Design Items
February 2022	Finalizing Plans & Specifications
March 2022	Advertise for Bidding

Bid to Include

	Cost Impact
Alternative 1: 8" water main from Riviera to El Dorado	+
Alternative 2: 8" water main from Church to St Francis	+
Alternative 3: Only replace hydrants and valves from Ryerson to Cleveland	-



Bidding Schedule

Date	
March 2 nd & March 9 th	Advertise
Week of March 14 th	Bid Opening
March 22 nd	Committee Meeting & Award

Construction Schedule

Date	Construction Items
April/May 2022	Public Information Meeting
Summer/Fall 2022	Water Main Construction
November 2022	Water Main Construction Complete
Spring/Summer/Fall 2023	County Roadway Construction (Beloit Rd to Coffee Rd)



Questions





City of New Berlin

City of New Berlin ▪ 3805 S. Casper Drive ▪ New Berlin, Wisconsin 53151-0921 ▪ (262)786-8610 ▪ www.newberlin.org

ITEM INFORMATION COVER SHEET

ITEM:

MMSD - 2021 PPII Work Plan update.

ATTACHMENTS:

1. 2021 PPII WORK PLAN UPDATE

DEPARTMENT:

UTILITY

ITEM INTRODUCED AT:

UTILITY COMMITTEE, 2/22/22 MEETING

FURTHER REVIEW/ACTION REQUIRED?:

N/A



PARTNERS FOR A CLEANER ENVIRONMENT

2021 PPII Work Plan

This checklist / template serves as the standard form for submitting a Work Plan to MMSD as a request to commit funds from your Municipal Funding Allocation Account to a project proposed for reimbursement through the MMSD PPII Reduction-M Program. If approved, the Work Plan will be the basis for a Funding Agreement between the municipality and MMSD. Please complete all fields comprehensively and submit this electronically-fillable-form and supporting document attachments via email.

I. CONTACT INFORMATION

Municipality	
Applicant Name: Jim Hart	Municipality: City of New Berlin
Mailing Address: 3805 South Casper Drive, New Berlin, WI 53151	
Phone #: 262-786-7211	Email: jhart@newberlin.org
Primary Contact: Jim Hart	Primary Contact email: jhart@newberlin.org
Primary contact phone #: 262-786-7211	
Consultant (if applicable)	
Firm: raSmith	Consultant's PM's Name: Ben High, P.E.
Consultant Email: ben.high@rasmith.com	Consultant Phone number: 262-317-3273

II. PROPOSED SCOPE OF WORK

1. What type of work will be included in this work plan application? Check all applicable.
☒ Planning ☒ Investigative ☒ Construction/Rehab ☒ Post Project Evaluation ☒ Training ☐ Other
2. What is the total value of the request by the municipality for funding through the PPII program for work outlined in this work plan?
\$ 1,586,000.00
3. Provide the scope of work that will be included in this work plan.
Dye testing and mainline televising that was completed in 2013 identified locations of public and private dye and Clearwater leaks within sewersheds 3001, 3005, 3006, and 2011. At total of 228.0 gpm private leaks were found within the 2011 basin, 184.7 gpm with dye and 43.4 gpm with Clearwater. Locations of public I&I in the neighborhood were addressed in 2013, but steps to address the private I&I within the Regal Manor neighborhood are proposed as part of this workplan. The City of New Berlin is proposing a lateral rehabilitation work plan to complete the pipe bursting of approximately 70 private sanitary sewer laterals. Each lateral to be pipe burst will have lateral televising occur after rehabilitation to document the lateral post-rehabilitation. To complete the rehabilitation, affected properties will be contacted by the City with an informational letter and a consent form before work occurs. A licensed sub-contractor will perform the rehabilitation with the supervision of an inspector provided by the Consulting Engineer.
4. What entity is responsible for each work scope item e.g. municipality staff, consultant, contractor, District, etc.
All coordination, inspection, and reporting for the project will be performed by the City of New Berlin with the assistance of the Engineering Consultant, raSmith. The rehabilitation work will be completed by a licensed sub-contractor selected by the City through a solicitation process.
5. What is the total number of properties in the project area?
70
6. What is the assumed number of participating properties?
70
7. What is your justification for the assumed participation rate?
☐ Prioritization of properties ☐ Assumed percent of total ☐ Existing ROE agreements based on investigative work ☐ Assumed percent of total based on previous projects ☒ Other (Fill in Blank): If an affected property opts out, a different location will substituted in.

III. PROJECT AREA CHARACTERISTICS

1. What is the predominant age of the homes in the project area?	☐ Pre 1940's	☐ 1940 – 1960	☒ 1961-1980	☐ 1981-Present
2. What is the average lot size within the project area?	0.35	☒ SF	☒ Acres	
3. In this area, is it typical that foundation drains are connected?	☒ Yes	☒ No		
4. What watershed(s) or metershed(s) is this project located in? 2011-D, 2011-E				
5. Collection system characteristics in project areas: Approximate year sanitary sewer was installed: 1970	Host Pipe Material(s): ☒ VCP ☐ Cast-Iron ☐ Asbestos	Pipe Size(s): 6", 8" & 12" ☒ PVC	Pipe Shape(s): ☒ Circular ☐ Other	
6. Within the project area, is the mainline rehabilitated? If "Yes," provide details on the year(s) the work was completed, the type and location of rehabilitation used, and if any rehabilitation of the sanitary sewer laterals within the ROW was completed. In late 2013, the city addressed the majority of public l&l locations within the mainline and manhole infiltration witnessed during dye flooding with a grouting project.	☒ Yes	☐ No		

IV. PROJECT JUSTIFICATION

1. Has any planning and/or investigative work within the project area been completed to date? (i.e. Flow monitoring, interior home inspections, sewer CCTV, analysis of flooding/backup issues in the area, etc.) ☒ Yes ☐ No

If "Yes," was the work completed through a previous PPII funding agreement? ☒ Yes ☐ No

If the answer is "Yes" to both questions, describe the work completed and cite report names and funding agreement reference numbers the work was completed under.

If work was completed independent of the PPII program, included the report(s) with application in electronic format and list the name of the report in this section.

In 2013, the City of New Berlin – Private Property Infiltration and Inflow Reduction Program occurred. The City selected four areas to perform the dye water testing and closed circuit television (CCTV) work. The areas are referred to as Sewersheds 3001, 3005, 3006 and 2011. During this project, locations were identified as sources of I&I to be considered for rehabilitation at a later date. The neighborhood of Regal Manor (the project area) is within Sewershed 2011.

Additionally, all locations to be rehabilitated lead into a sewer line in which a raSmith flow meter collects data and has been monitoring the higher amounts of water flow during storm events.

2. Describe how the project area and approach was chosen and prioritized.

The project area was determined by the 2013 dye flooding that took place within the City of New Berlin. The 2013 project area was determined by areas that experience greater flow during rain events as determined by ongoing flow monitoring. Lift station #1, which is downstream of the Sewershed had historically seen high flow before and after rain events. The results of dye flooding presented a total of 228gpm of private I&I with an average leaking rate of 2.5gpm. All properties that presented dye or Clearwater leaks were prioritized for pipe bursting on this project.

3. What is the status of all project area sewershed(s)/metershed(s) as related to the District Chapter 3 rules for wet weather performance?

☐ Non-compliant ☒ Compliant ☐ Inconclusive ☐ Not Analyzed

If "Noncompliant," has PPII work been completed to date within the Project Area metershed(s)? If yes, provide details on the scope of work completed and location.

4. Does the municipality have any permitted (or unpermitted) wet-weather bypass locations in the project area? If "Yes," provide approximate frequency and average volume per frequency for over the last ten years.	☒ Yes ☐ No
5. Does the project area have a history of CSOs or SSOs? If "Yes," provide the frequency of occurrences over the last ten years.	☐ Yes ☒ No
6. Does the municipality have recurring basement backup reports in the project area? If "Yes", please provide the average annual number of reports in the last ten years and the estimated storm recurrence interval that typically causes basement backups.	☐ Yes ☒ No
7. Do you have metering, lift station run time, bypass pumping, basement backup, or any other pre-project baseline data?	☒ Yes – go to item 8 ☐ No – go to item 9
8. Describe and detail information on the pre-project baseline data you have collected including type, location, and date ranges. If a MMSD meter is used as a source for this data, provide meter name and location. The City has a sanitary sewer flow monitoring program to quantify the amount of water within the sewer system before and after rain events. Flow meters for Sewershed 2011-D and 2011-E at manholes 07M224003 (S. Sovereign Drive) and 07N224071 (S. Hearth Ridge Drive) respectively. These locations were monitored March 2020-October 2020 and March 2021-November 2021. Additionally, all locations within the project are located downstream of lift station #1 which has been monitored by raSmith for years. Utilizing the data recorded before the lining occurs will provide baseline flow data that can be used as baseline data.	

9. Do you plan on collecting pre-project baseline data as part of this project? ☐ Yes -- go to item 10
☒ No -- go to item 11

10. Describe the pre-project data that will be collected to provide a baseline for improvement? If you intend to use the MMSD portable meters, list the quantity, expected time frame installation and monitoring period.

N/A

11. How do you intend to report project performance results? (metrics and target objectives of the project)

N/A

V. PROJECT GOALS

1. What are the municipality's goals and objectives for the completed project? Please provide qualitative and quantitative measurables for success as they relate to the goals and objectives.

The goal of this project is to reduce private property I/I into the sanitary sewer system. The dye flooding study performed in 2013 will serve as a baseline condition of these leaking laterals prior to rehabilitation. Ongoing flow monitoring data will be used to give a "pre" and "post" rehabilitation analysis that will be used to quantify the effectiveness of the rehabilitation work. By performing this work, the sewer system will keep operating at an increased level of service moving forward.

The City will continue their ongoing sanitary sewer flow monitoring program to quantify the effectiveness of the above rehabilitation technique (cost of monitoring is locally funded, and will remain so). The City has been monitoring varying areas of the City for years, but this year has incorporated specific metering that isolates this study area to provide more detailed information on what is occurring in this area. Analysis of the metered data collected thus far has begun to determine what the impact of this rehabilitation will mean to the overall reduction in I/I experienced in this area.

VI. SCHEDULE

Include a schedule of the work with all major tasks and milestone dates for completion including District and municipal administrative approvals, local board/council approvals, work task start and finish, public outreach, deliverables, and reimbursements. The schedule needs to be realistic and achievable based on District approval timelines, local approval timelines, bidding process timelines, work production rates, and weather-related considerations. Identify and highlight any milestone dates by which the municipality is requesting the District to meet to keep your schedule (e.g. local council or board agenda deadlines). Provide the schedule in PDF format.

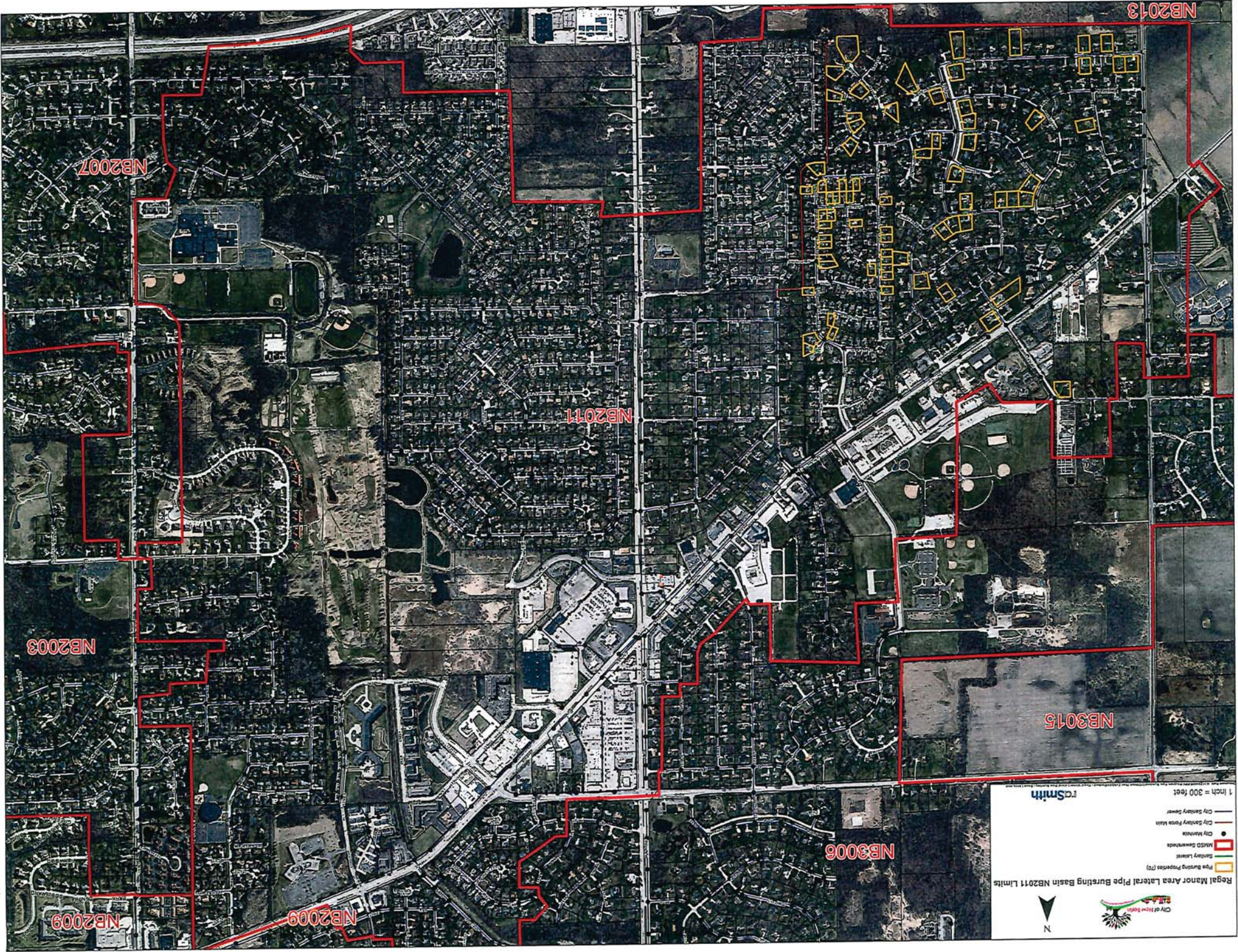
VII. FINANCIALS

1. Include a comprehensive cost estimate broke down to the task level which includes costs for: all internal municipal staff time which is being requested to be reimbursed, professional services including hours estimates and rates, construction costs by estimated units and estimated unit costs, inspection services, public outreach, and staff training. Attach an Excel version of the estimate to the application when submitting.
2. Are other funding sources, besides MMSD PPII funds, contributing to the total project ☐ Yes ☒ No cost? i.e. municipal funds, grant funding, property owner cost share, etc. If “Yes,” list all addition funding sources, the specific work which will be covered by an additional funding sources, and the value.
3. Describe your anticipated frequency of reimbursement requests to the District. (The funding agreement terms may dictate this frequency depending on the type of work). The City will submit reimbursement requests as this project progresses to help control costs at the City level. These reimbursement requests would most likely begin after rehabilitation begins and continue as work progresses on the project. The anticipated reimbursements will more than likely at the end of each working month of the project.
4. What department/individual/entity will be submitting and processing the reimbursement requests? Please include the name and contact information. The City of New Berlin will be handling the reimbursement requests with the assistance of raSmith. Barbara Byczynski, bbyczynski@newberlin.org Ben High, P.E., ben.high@rasmith.com

5. MMUSD requires all invoicing to be submitted via e-Builder. Will e-Builder training be necessary for the department/individual/entity that will be submitting and processing the reimbursement requests? ☐ Yes ☒ No										
6. Describe the municipal process(es) for procurement of all professional and non-professional (field work and construction) components of work and the basis for each. The City will publicly bid the rehabilitation work described above, and will choose the most responsible bidder that meets the City's desired outcome, the schedule for the project, and is an approved contractor by MMUSD. Professional and inspection work will be directly solicited to raSmith.										
7. Explain the means and methods for segregating the costs (MMUSD reimbursable costs and public work costs). All of the work associated with this project is considered reimbursable to MMUSD.										
8. Provide the names and position titles of all municipal staff that will be required to sign the funding agreement. (i.e. mayor, city/village administrator, city/village clerk, city attorney, etc.) <table border="0"> <tr> <td>Name: Jim Hart</td> <td>Position Title: Utility Manager</td> </tr> <tr> <td>Name:</td> <td>Position Title:</td> </tr> <tr> <td>Name:</td> <td>Position Title:</td> </tr> <tr> <td>Name:</td> <td>Position Title:</td> </tr> <tr> <td>Name:</td> <td>Position Title:</td> </tr> </table>	Name: Jim Hart	Position Title: Utility Manager	Name:	Position Title:	Name:	Position Title:	Name:	Position Title:	Name:	Position Title:
Name: Jim Hart	Position Title: Utility Manager									
Name:	Position Title:									
Name:	Position Title:									
Name:	Position Title:									
Name:	Position Title:									

VIII. PUBLIC OUTREACH

1. Describe in detail your public outreach approach and what entity/individuals/departments will be responsible for the public outreach. Describe the venues and platforms that will be used. Describe the timing and anticipated level of effort that is anticipated to be necessary for the public outreach effort. Describe any public outreach work that has already been completed or is in progress. If a specific person or entity is responsible for public outreach, include the name and contact information. (Examples of public outreach include, but are not limited to; mailings, websites, social media, canvassing, public meetings, etc.)
 - a. The City, with assistance from the Consulting Engineer, will notify affected properties with an informational letter outlining the scope of the project and desired outcome. The first letter will be sent out 7 months prior to the estimated start of work. The second letter will be sent out to non-participating parcels 2 months after the first letter.
 - b. The letters will include a property owner consent form to allow for the rehabilitation work to occur within their laterals (i.e. private property).
 - c. The City potentially plans to host a public information meeting (MMSD staff will be invited to attend) to explain the project details to the affected properties so they understand the purpose and goals of the project. The plan is to conduct this meeting at a facility within or nearby the project area to encourage attendance and involvement in the process. This meeting will be held 4 months prior to the estimated start of work so homeowners can attend the meeting.
 - d. All project related questions will be directed through the Consulting Engineer via email or phone. Contact Information: Ben High, P.E., 262-317-3273, ben.high@rasmith.com



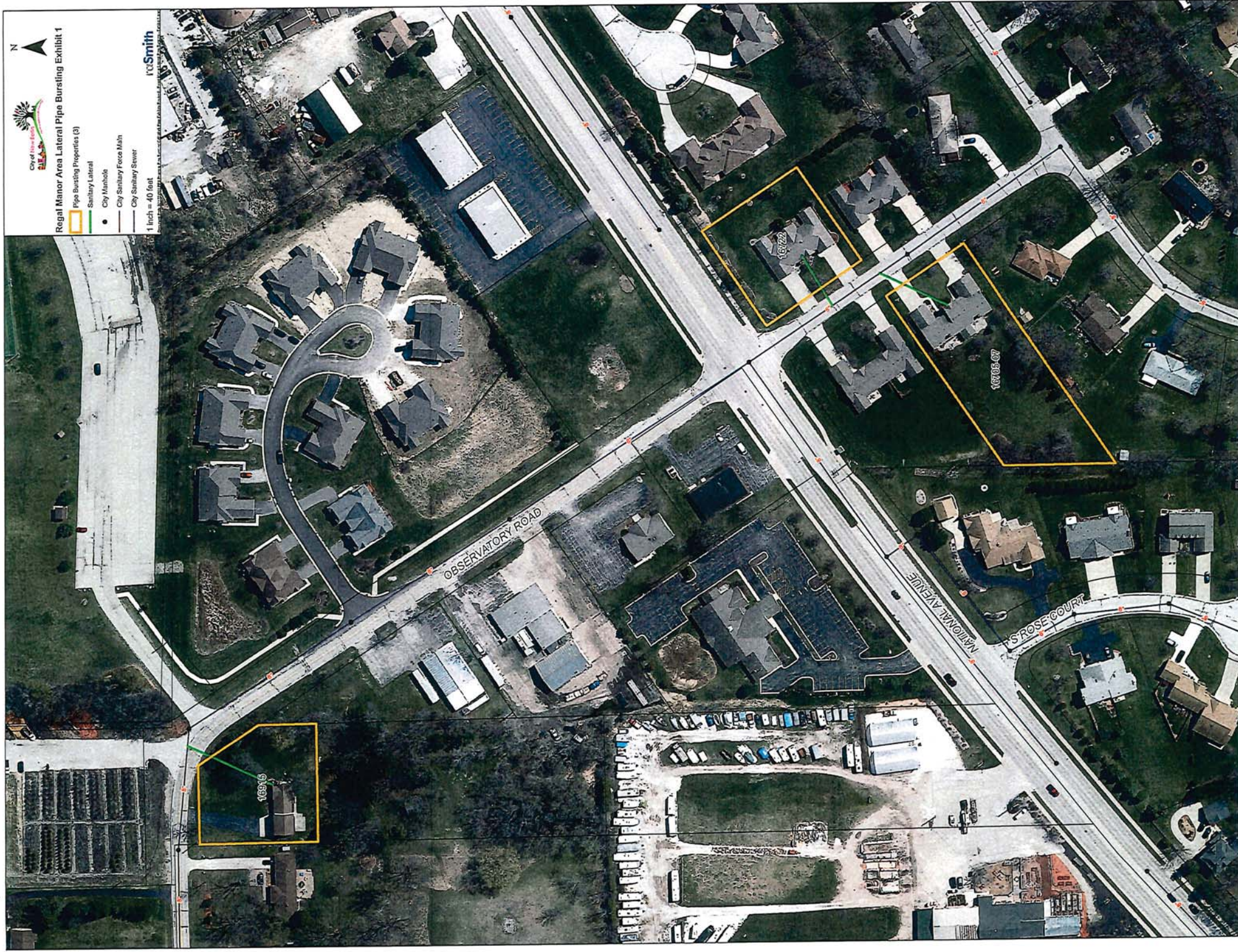


Regal Manor Area Lateral Pipe Bursting Exhibit 1

- Pipe Bursting Properties (3)
- Sanitary Lateral
- City Manhole
- City Sanitary Force Main
- City Sanitary Sewer

1 inch = 40 feet

rcSmith



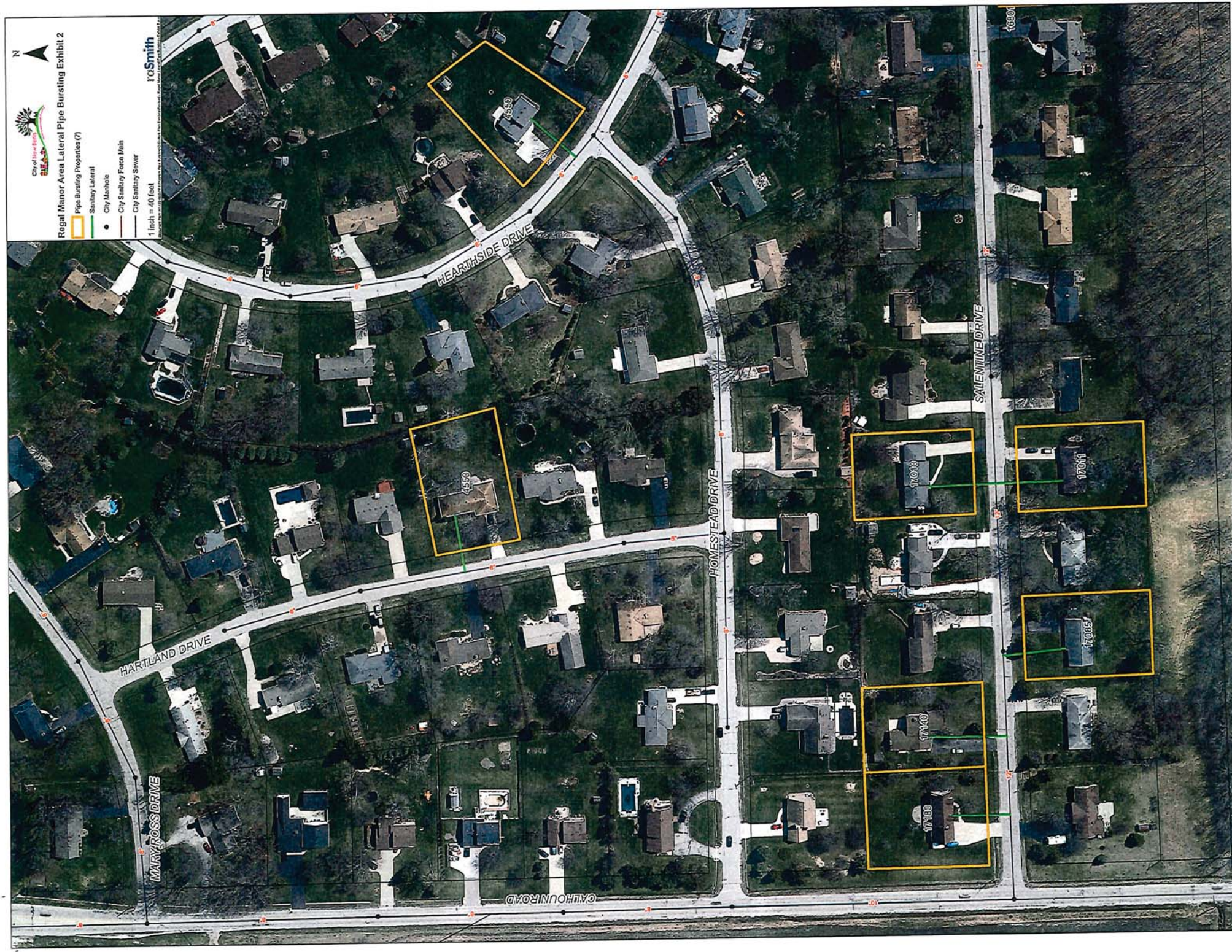


Regal Manor Area Lateral Pipe Bursting Exhibit 2

- Pipe Bursting Properties (7)
- Sanitary Lateral
- City Manhole
- City Sanitary Force Main
- City Sanitary Sewer

1 inch = 40 feet

rcSmith





Regal Manor Area Lateral Pipe Bursting Exhibit 4

Pipe Bursting Properties (10)

Sanitary Lateral

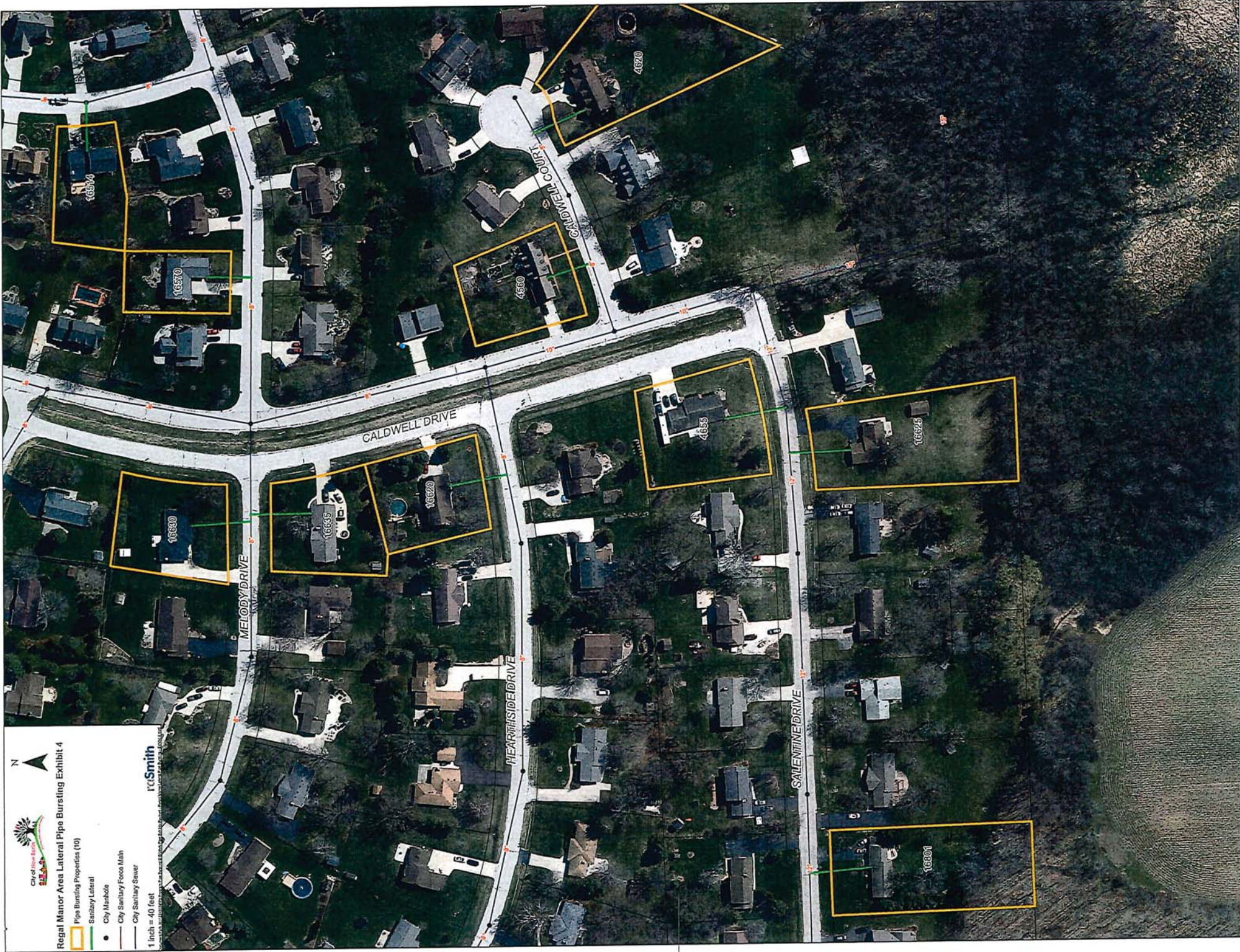
City Manhole

City Sanitary Force Main

City Sanitary Sewer

1 inch = 40 feet

rcSmith





Regal Manor Area Lateral Pipe Bursting Exhibit 5

Pipe Bursting Properties (26)

Sanitary Lateral

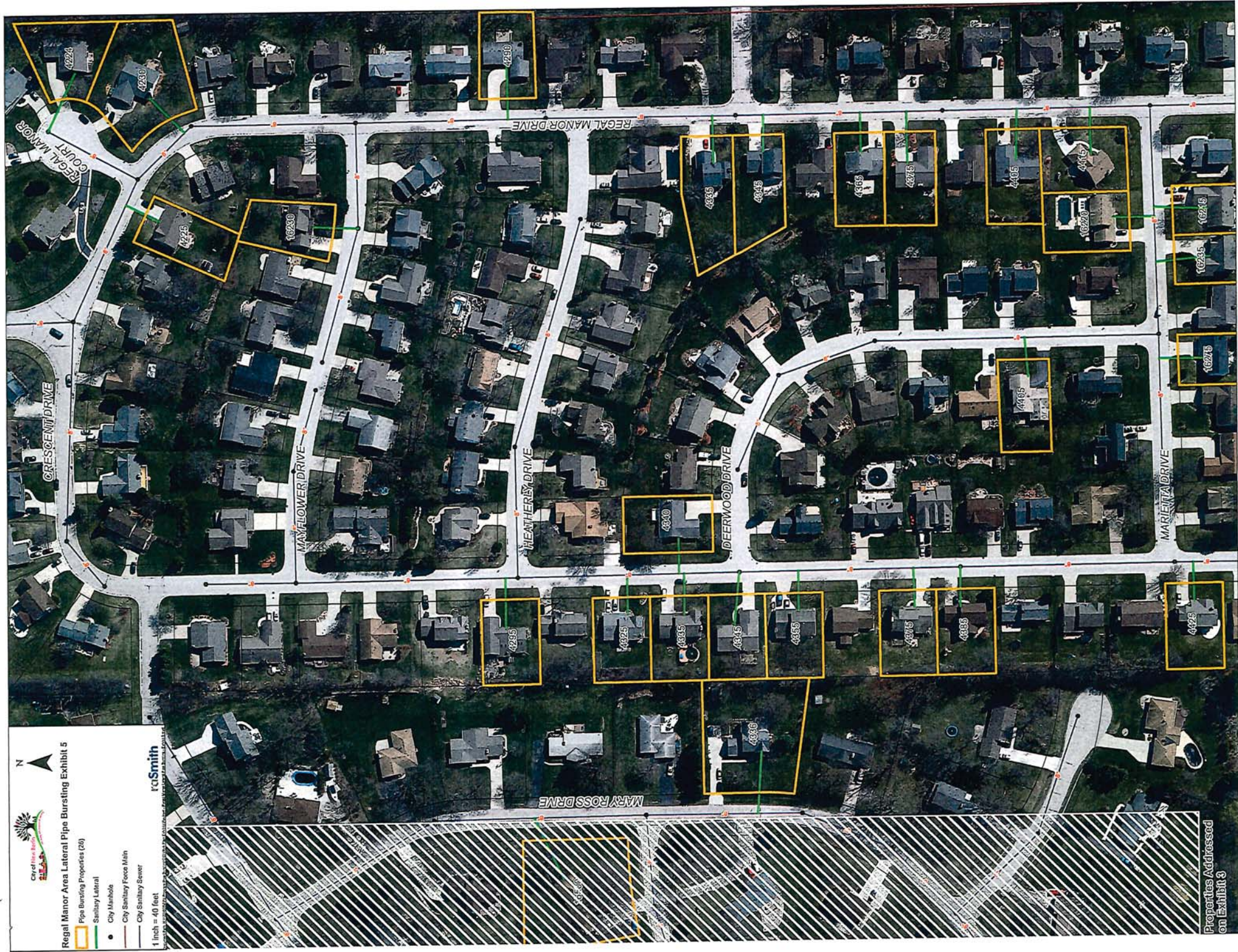
City Manhole

City Sanitary Force Main

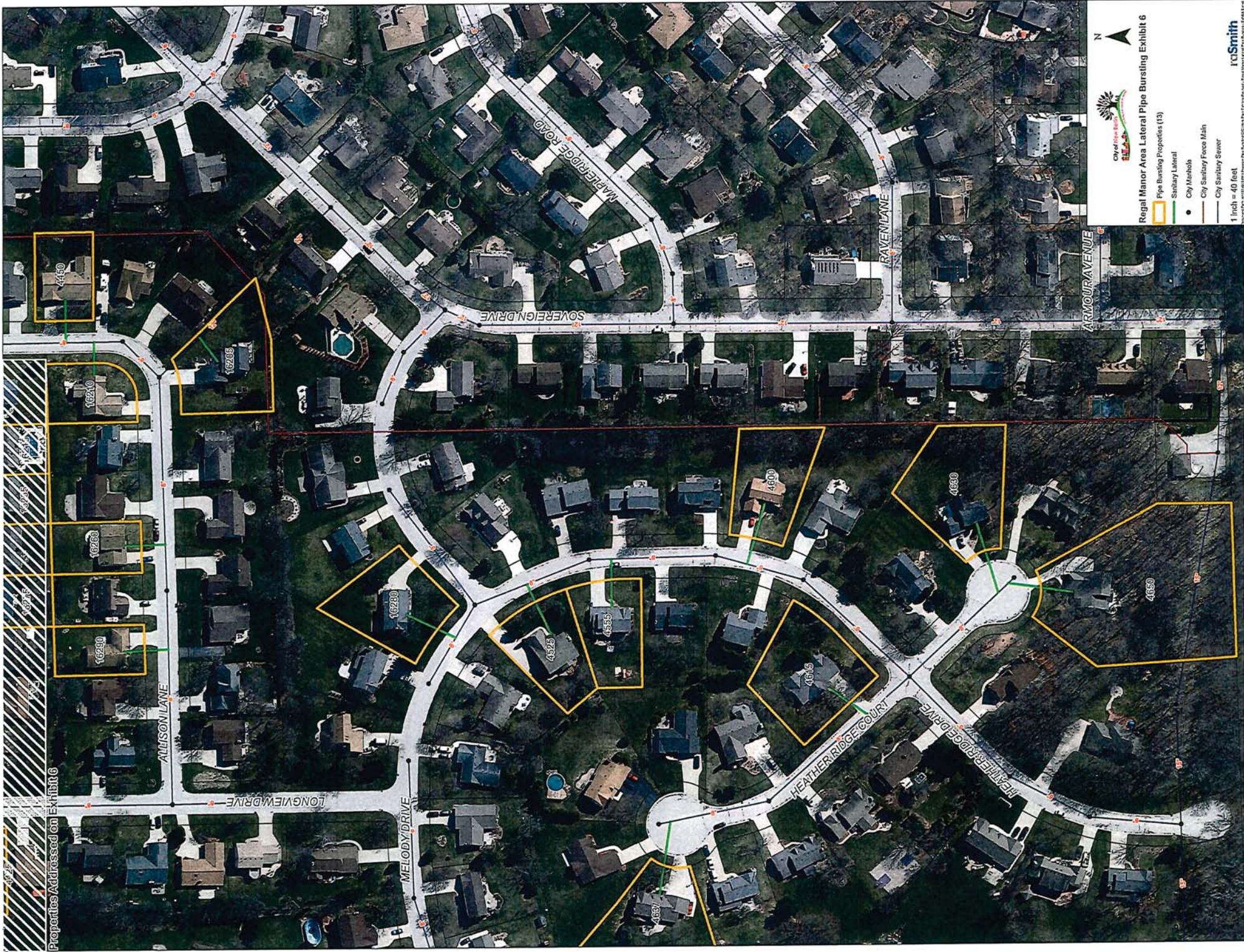
City Sanitary Sewer

1 inch = 40 feet

rcSmith



Properties Addressed
on Exhibit 3



Properties Addressed on Exhibit 6



City of Fort Worth

Regal Manor Area Lateral Pipe Bursting Exhibit 6

Pipe Bursting Properties (13)

- Yellow outline: Lateral Pipe Bursting Properties
- Green line: Lateral Pipe Bursting
- Orange dot: Pipe Bursting Locations
- Black dot: City Manhole
- Blue line: City Sanitary Force Main
- Red line: City Sanitary Sewer

1 inch = 40 feet



Probable Project Schedule for New Berlin 2022 Pipe Bursting Project

Task	Probable Start Date	Probable Completion Date	Duration (Days)
Work Plan Submittal		2/25/2022	0
Funding Agreement Process	2/28/2022	7/15/2022	137
Public Outreach	7/18/2022	9/16/2022	60
Plans & Specifications	9/19/2022	10/21/2022	32
Solicitation for Bids	10/24/2022	11/4/2022	11
Bid Opening		11/9/2022	0
Project Award (Utility Committee Approval)		11/22/2022	0
Project Work with Inspection by Consultant	4/3/2023	9/22/2023	141
Submittal for Reimbursement	9/23/2023	9/20/2023	28

Engineer's Opinion of Probable Project Cost

PROJECT: City of New Berlin - Regal Manor Lateral Pipe Bursting Project

DATE: February 9, 2022

BY: BGH

This represents Engineer's judgement based upon information received at date hereof. No representation is made that proposals, bids or costs received from contractors will compare favorably or proximately with this opinion. This is a preliminary opinion without benefit of knowledge usually ascertained during design and construction plan development.

NO.	ITEM	UNIT	UNIT COST	QUANTITY	ITEM COST
1	Traffic Control	LS	\$ 10,000.00	1	\$ 10,000.00
2	Mobilization	LS	\$ 10,000.00	1	\$ 10,000.00
3	Warranty Lateral Televising	EA	\$ 640.00	70	\$ 44,800.00
4	6" Dia Sanitary Lateral - Pipe Bursting	LF	\$ 193.00	5,249	\$ 1,013,057.00
5	6" Dia PVC Sanitary Sewer Lateral (Slurry Backfill)	LF	\$ 195.00	345	\$ 67,275.00
6	6" Dia PVC Sanitary Sewer Lateral (Granular Backfill)	LF	\$ 150.00	5	\$ 750.00
7	6" Dia PVC Sanitary Sewer Riser Lateral (Slurry Backfill)	LF	\$ 245.00	14	\$ 3,430.00
8	8" PVC Sanitary Sewer (Slurry Backfill)	LF	\$ 275.00	275	\$ 75,625.00
9	12" PVC Sanitary Sewer (Slurry Backfill)	LF	\$ 345.00	35	\$ 12,075.00
10	12" PVC Sanitary Sewer (Granular Backfill)	LF	\$ 300.00	5	\$ 1,500.00
11	Connection to Existing Lateral Piping	EA	\$ 610.00	70	\$ 42,700.00
12	Lawn Restoration	SY	\$ 45.00	150	\$ 6,750.00
13	1.75" Asphalt Surface (5 LT 58-28 S)	TON	\$ 65.00	44	\$ 2,860.00
14	3.25" Asphalt Binder (3 LT 58-28 S)	TON	\$ 60.00	83	\$ 4,980.00
15	Dense Graded Base (1-1/4")	TON	\$ 15.00	242	\$ 3,630.00
16	5" Concrete Sidewalk	SF	\$ 10.00	275	\$ 2,750.00
17	7" Concrete Driveway	SY	\$ 100.00	12	\$ 1,200.00
MC1	4"-6" Sanitary Lateral Spot Repair within Pavement	LF	\$ 350.00	10	\$ 3,500.00
MC2	4"-6" Sanitary Lateral Spot Repair within Turf	LF	\$ 250.00	10	\$ 2,500.00
	Subtotal				\$1,309,382
	10% Construction Contingency				\$130,938
	Construction Project Total				\$1,440,320
1	Project Specifications	HOUR	\$ 131.00	90	\$ 11,790.00
2	Engineering Plans & Exhibits	HOUR	\$ 131.00	90	\$ 11,790.00
3	Project Related Questions from Residents	HOUR	\$ 131.00	40	\$ 5,240.00
4	Create Informational Letter for Property Owners	HOUR	\$ 131.00	10	\$ 1,310.00
5	Distribute Informational Letter	HOUR	\$ 131.00	20	\$ 2,620.00
6	Coordinate Participating Properties	HOUR	\$ 131.00	40	\$ 5,240.00
7	Create Public Message via New Berlin Website	HOUR	\$ 131.00	10	\$ 1,310.00
8	Report & Exhibits for Summary Report	HOUR	\$ 105.00	60	\$ 6,300.00
9	Inspection Hours	HOUR	\$ 127.00	785	\$ 99,695.00
	Engineering / Inspection Project Total				\$145,295
	Project Total				\$1,585,615
	Funding Agreement Project Total				\$1,586,000