

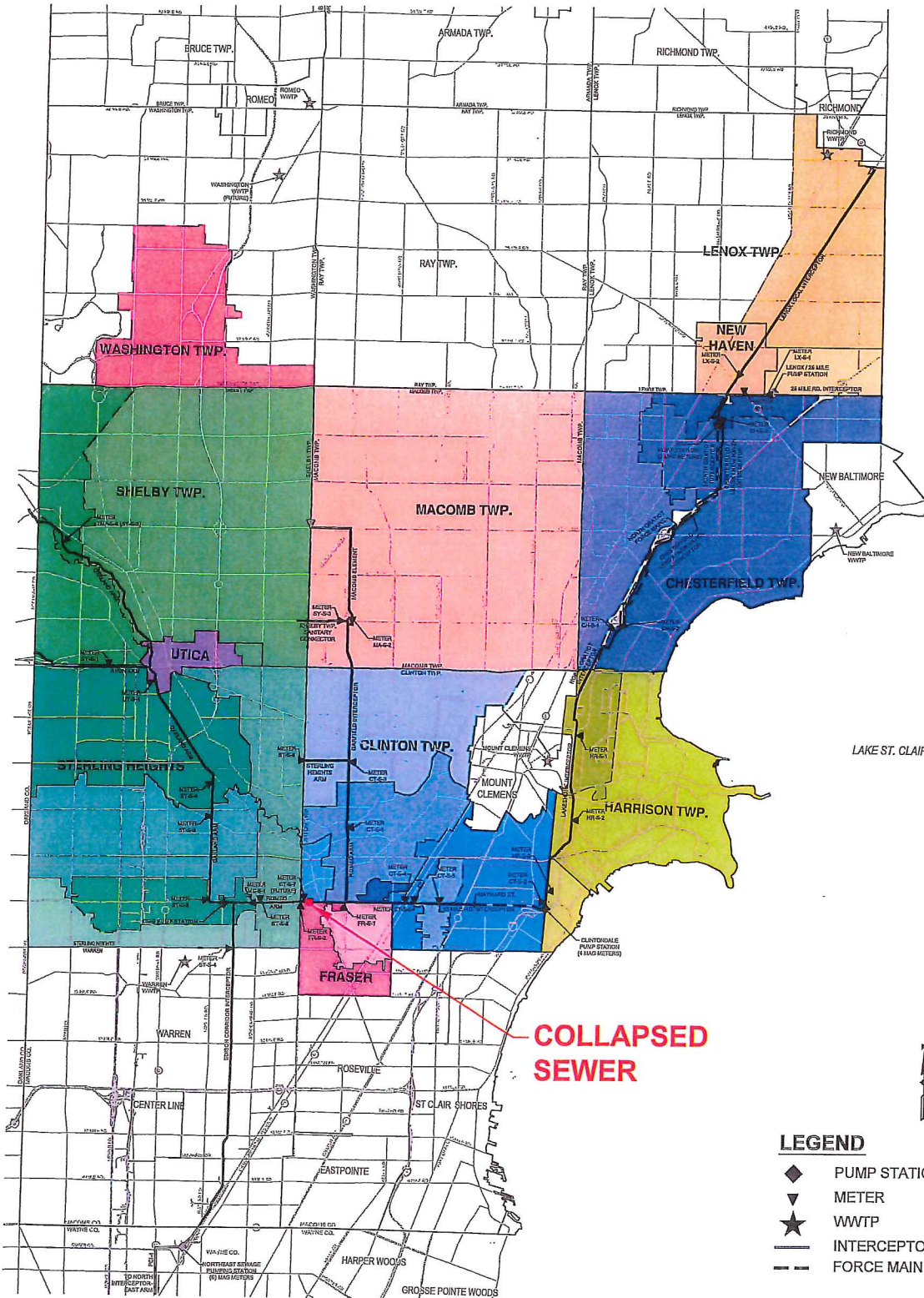
MACOMB INTERCEPTOR DRAIN
JULY 10, 2017
11:00 A.M.
AGENDA

	Page
1. Call of meeting to order and roll call	
2. Approval of Agenda for July 10, 2017	
3. Approval of Minutes for June 12, 2017	3
4. Public participation	
5. 15 Mile Interceptor Repair Project Update – Evans Bantios	
6. MIDD Loan Repayment – Brian Baker	7
7. Motion: Approve Reimbursement and Release Agreement totaling \$151,241.07, as a full and final resolution of all claims relating to the Albu family, and authorize Aloia & Associates to proceed to finalize the transaction	8
8. Motion: Approve the Valente family reimbursement amount of \$15,714.67 for lodging, food, utilities and sewer backup remediation and rehabilitation expenses and authorize Aloia & Associates to proceed to finalize the claim	13
9. Motion: Approve the repair of the North Gratiot Pump Station West Pump for \$22,474.00 by the Flygt pump certified contractor Kennedy Industries	16
10. Motion: Approve payment of invoices on attached spreadsheet, as presented – Brian Baker	25
11. MIDD Financial Report – Bruce Manning	27
12. Old Business	
13. New Business	
14. Adjourn	

Next Regular Meeting

August 7, 2017 at the Office of the Macomb County Public Works Commissioner, 21777 Dunham Road, Clinton Township, Michigan 48036 at 11:00 a.m.

MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT



COLLAPSED SEWER

- LEGEND**
- ◆ PUMP STATION
 - ★ METER
 - ★ WWTP
 - INTERCEPTOR
 - - - FORCE MAIN



Candice S. Miller
 MACOMB COUNTY PUBLIC WORKS COMMISSIONER

fitch
 UPDATED: FEBRUARY 2017

An adjourned meeting of the Intra-County Drainage District for the **MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT** was held in the Office of the Macomb County Public Works Commissioner, 21777 Dunham Road, Clinton Township, Michigan, on June 12, 2017 at 11:06 A.M.

PRESENT: Candice S. Miller, Chair
Bryan Santo, Member
Robert Mijac, Member

ALSO PRESENT: Brian Baker, Chief Deputy, Karen Czernel, Deputy, Emily Engleman, Administrative Assistant, Keith Graboske, P.E., Chief Engineer, Dan Heaton, Public Relations Manager, Vincent Astorino, Engineer II, Evans Bantios, Engineer II, Lynne Seymour, Environmental Engineer II, Thomas Stockel, Construction Engineer, Bruce Manning, Acting Financial Manager, Barbara Delecke, Administrative Services, Macomb County Public Works; Benjamin Aloia, Aloia & Associates; Lou Urban, Anderson, Eckstein & Westrick, Inc.; Don Coddington, Chesterfield Township; Mary Bednar, P.E., Clinton Township; Mike Homier, Foster-Swift; Jamie Burton, P.E., Brad Shepler, Hubbell, Roth & Clark, Inc.; AG Mekkaoui, Jay Dee Contractors; Chris Dilbert, Village of New Haven; David Wilemski, Victor Karns, Chesterfield Township

The meeting was called to order by the Chair, Candice S. Miller. The agenda was approved as presented.

Minutes of the meetings of April 19, 2017 and May 8, 2017 were presented and approved on a motion by Mr. Mijac, supported by Mr. Santo and unanimously carried.

The meeting was opened to public participation, then closed, there being no comments from the public.

Mr. Bantios updated the Board on the repair of the sinkhole. The by-pass pumping is working, approximately 80 percent of the pipe has been cleaned, grouting will begin this week and drilling of the shaft is complete. The Hobas pipe will be delivered in two to three weeks. The goal is to have the project completed by the end of the construction season.

Existing debt in the amount of \$77 million was refinanced saving the MIDDD \$5.9 million over the life of the bonds. New bonds were sold in the amount of \$70 million with an interest rate of less than 3.1 percent. The bond sale is scheduled to close on June 20, 2017. Macomb County will be repaid the \$20 million loan, plus interest.

A section of the pipe beyond the sinkhole will be relined for a cost of \$2,747,000. After review of the bids, it was determined that Jay Dee Contractors was the best lowest bidder.

A motion was made by Mr. Mijac, supported by Mr. Santo to approve the award of bid for installation of Hobas Lining for \$2,747,000 to Jay Dee Contractors.

Ayes: Mijac, Santo, Miller
Nays: None

Motion approved.

The Board is being asked to approve the assessment in accordance with the apportionment that was confirmed on April 19, 2017. The bond pricing details were used as the basis for the special assessment to each municipality in the drainage district.

A motion was made by Mr. Santo, supported by Mr. Mijac to approve the 15 Mile Interceptor Repair Special Assessment Roll (SAD).

Ayes: Santo, Mijac, Miller
Nays: None

Motion approved.

Mr. Shepler, Hubbell, Roth & Clark, Inc. has been assigned the task of preparing and submitting an application to the State for a low interest SRF loan. Macomb County is under no obligation to accept the loan. These monies would be used for structural replacement projects on the rest of the MIDD. A public hearing was held on June 8, 2017 to review the project plan. The final submittal is due July 1, 2017.

A motion was made by Mr. Mijac, supported by Mr. Santo to approve a resolution to submit an application for the Phase II lining project to the State for a low interest SRF loan.

Ayes: Mijac, Santo, Miller
Nays: None

Motion approved.

A draft of the MIDDD budget was provided at the May 8, 2017 meeting. The GLWA has approved their rates, so now the MIDDD budget can be adopted. The water portion increased on average by 2 percent. Mr. Baker explained all of the charges in the budget to the Board as provided in the agenda package. The average sewerage charge increase is 6.7 percent. The new debt accounts for a 3.4 percent increase. The rates will go into effect on July 1, 2017.

A motion was made Mr. Mijac, supported by Mr. Santo to adopt the 2017/18 MIDDD Budget and Charges as presented.

Ayes: Mijac, Santo, Miller
Nays: None

Motion approved.

A technical memorandum was provided to the Board for the Clintondale Pump Station. In 2012, Macomb County entered into Memorandum of Understanding with Clinton Township. Macomb County and Clinton Township worked together to develop an operational plan explaining how the station would be operated in a wet weather event. Basically, it allows Clinton Township to get their flow out before Macomb County sends flow from that arm of the sewer.

A motion was made by Mr. Mijac, supported by Mr. Santo to approve the MIDDD Clintondale Pump Station Wet Weather Operational Plan.

Ayes: Mijac, Santo, Miller
Nays: None

Motion approved.

MCMARS was developed in 2008. Phase I is a data review tool. It processes volumes of flow from the Parshall flumes. The second phase involves engineering tools that analyze the data and can be shared with the communities.

A motion was made by Mr. Mijac, supported by Mr. Santo to approve the Bluewater Phase II Project Management Plan Proposal with Johnson & Anderson at a cost not to exceed \$45,000.

Ayes: Mijac, Santo, Miller
Nays: None

Motion approved.

The Chair presented the invoices totaling \$18,359,440.45 to the board for review and approval.

Motion was made by Mr. Mijac, supported by Mr. Santo to approve the invoices as presented.

Ayes: Mijac, Santo, Miller
Nays: None

A motion to receive and file the financial report given by Mr. Manning was made by Mr. Santo, supported by Mr. Mijac and unanimously carried.

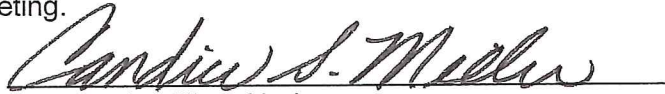
The next regular meeting will be held on July 10, 2017, 10:00 a.m. at the Macomb County Public Works Office.

The meeting was adjourned at 11:40 a.m. on a motion by Mr. Mijac, second by Mr. Santo, and unanimously approved.


Candice S. Miller, Chair
Macomb County Public Works Commissioner

STATE OF MICHIGAN
COUNTY OF MACOMB

I certify that the foregoing is a true and correct copy of proceedings taken by the Intra-County Drainage District shown on the attached set of minutes, on June 12, 2017, the original of which is on file in the Public Works Commissioner's Office. Public notice of the meeting was given pursuant to Act No. 267, Public Acts of Michigan, 1975, including, in the case of a special or rescheduled meeting or a meeting secured for more than 36 hours, notice by posting at least 18 hours prior to the time set for the meeting.



Candice S. Miller, Chair
Macomb County Public Works Commissioner

DATED: 6/14/17

8757.bd



FINANCE DEPARTMENT
 120 N. Main St., 2nd Floor
 Mount Clemens, Michigan 48043
 Phone: 586-469-5250 Fax: 586-469-5066
 www.macombgov.org

Mark A. Hackel
 County Executive

Stephen L. Smigiel, CPA
 Finance Director

Steve Adair, CGFM
 Deputy Finance Director

TO: Candice Miller
 Public Works Commissioner

FROM: Steve Smigiel *Steve*
 Finance Director

DATE: June 20, 2017

SUBJECT: MIDD Loan Repayment

As you will recall, the County Board of Commissioners approved a short-term loan from the County to the Macomb Interceptor Drain Drainage District earlier this year in the amount of \$20,000,000. The purpose of the loan was to provide cash flow to pay expenses related to the repair of the sewer collapse along 15 Mile Road in the City of Fraser until such time that bonds were sold to finance the entire project. The loan bears annual interest at 0.55%.

The bond sale closed today and the purpose of this memo is to formally request repayment of the principal amount of the loan plus accrued interest of \$18,119.00, for a total repayment of \$20,018,119.00. The interest calculation is presented below.

		Annual Interest		0.55%	
		Daily Interest		0.001528%	
Advance Date	Repayment Date	Days Outstanding	Amount	Interest	Total Due
3/16/2017	6/20/2017	96	\$ 7,766,152.91	\$ 11,390.37	\$ 7,777,543.28
5/15/2017	6/20/2017	36	12,233,847.09	6,728.63	12,240,575.72
			<u>\$ 20,000,000.00</u>	<u>\$ 18,119.00</u>	<u>\$ 20,018,119.00</u>

Repayment may be made either by check or wire transfer. Wiring instructions are as follows in the event your office elects to wire transfer the funds.

JP Morgan Chase
 ABA: 021000021
 ACCT: 16174-93
 Acct Name: Macomb County Treasurer

MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT
AGENDA ITEM WORKSHEET

Meeting Date: Monday, July 10, 2017

Name of Project: 15 Mile Interceptor Collapse

Resident Address: 34980 Eberlein, Fraser, MI 48026

Resident Name: Jerome and Susan Albu

Case Synopsis: This is a request for the MIDDD's review and approval of the enclosed Reimbursement and Release Agreement for a total reimbursement amount of **\$151,241.07**. The Albu's owned the collapsed home located on Eberlein adjacent to 15 Mile Road, which has since been purchased and demolished by the MIDDD. Due to the exigent circumstances involving this home, these homeowners had to evacuate on December 24, 2016, and were only allowed into their home for a very brief period of time, accompanied by project engineers, to collect a few personal belongings, but were barred from further re-entry. The remaining personal belongings in the home were non-recoverable and deemed a total loss due to the unsafe condition of the home.

Nostalgia Antique Appraisal Services was retained by the MIDDD to appraise the lost personal property items, and these appraisal values were used to support the resolution of the Albu's personal property loss claims. Furthermore, a market value rent appraisal performed by R.S. Thomas & Associates was used to determine the rental value of a similar home and resolve the monthly lodging reimbursement amount.

This agreement resolves all outstanding compensation claims relating to the Albu family, including lodging, food, mileage, personal property, statutory interest, statutory moving expenses, statutory attorney fees and other miscellaneous expenses. All totals included in the enclosed Reimbursement and Release Agreement were previously discussed and recommended for approval by Macomb County Public Work's administration.

Recommendation: Approve the enclosed Reimbursement and Release Agreement totaling **\$151,241.07**, as a full and final resolution of all claims relating to the Albu family, and authorize Aloia & Associates to proceed to finalize the transaction.

REIMBURSEMENT AND RELEASE AGREEMENT

Property Address: 34980 Eberlein, Fraser, MI 48026

Homeowner/Resident: Jerome and Susan E. Albu

Reimbursement Claim:

Lodging: \$15,651.00

Food: \$2,592.00

Mileage: \$2,753.33

Miscellaneous: \$4,725.05

Subtotal: \$25,721.38

Personal Property Claim: \$116,817.38

Statutory Interest: \$2,952.31

Moving Expenses: \$3,000.00

Attorney Fees: \$2,750.00

Total Reimbursement Amount: \$151,241.07

By signing this Reimbursement and Release Agreement (the “**Agreement**”) the Macomb Interceptor Drain Drainage District (the “**MIDDD**”), agrees to reimburse the amount of \$151,241.07 (“Total Reimbursement”), for lodging, food, fuel, mileage, personal property, statutory interest, moving expenses, attorney fees and the other miscellaneous expenses detailed in **Exhibit A**, to Jerome and Susan Albu within seven (7) days from the date of the MIDDD Board approval of this Agreement.

By signing this Agreement accepting the Total Reimbursement, Jerome and Susan E. Albu, on behalf of themselves and their heirs, trusts, estates, successors, assigns and children (collectively “Homeowner”) expressly agrees that the Total Reimbursement is a full and final resolution of all of the Homeowner’s remaining claims for compensation arising out of the December 24, 2016, Macomb Interceptor Drain collapse and subsequent restoration and reconstruction project occurring in the City of Fraser on or near 15 Mile Road between Hayes Road and Utica Road (“Event”).

Moreover, upon receipt of the Total Reimbursement Amount in cleared funds, the Homeowner hereby releases and forever discharges the MIDDD, the County of Macomb, the Macomb County Department of Public Works and the Macomb County Department of Public Works Commissioner Candice S. Miller, and their respective predecessors, successors, contractors, employees and agents acting by, through or in concert with any of them (“Releasees”), from any and all claims, damages and liabilities, known and unknown, and arising out of the Event, whether in law and equity, including but not limited to those which fall under MCL 213.1, et. seq., MCL 213.351, et. seq., and MCL 691.1417 through MCL 691.1417. This Agreement also specifically resolves the all claims that the Homeowner had or could have claimed under the Michigan Uniform Condemnation Procedures Act, MCL 213.51, et. seq, including but not limited to:

- A. MCL 213.55(1) and MCL 213.59(7): Compensable expenses and damages relating to the relocation to a comparable replacement dwelling, for a period not to exceed 180 days from the date the moving expenses are paid;
- B. MCL 213.59(5): Payment of the escrow before the final dispossession of the Property;
- C. MCL 213.68: Reimbursement of reasonable expenses incurred;
- D. Loss of use of the property since December 24, 2016;
- E. Loss or damage to personal property that remained in the Property as of December 24, 2016 that is not recoverable or removable, or which has not been removed by the Owners since that date. In addition, personal property that has been recovered or removed on and after December 24, 2016, that was damaged as a direct result of the taking of property;
- F. Damages and expenses for past, present and future loss of use of the property, including, but not limited to: lodging (with pet), food allowance and mileage;
- G. Reasonable and necessary moving expenses for moving the Grantors personal property not more than 50 miles, not to exceed \$5,250.00 pursuant to MCL 213.352 and MCL 213.55(1);
- H. Reasonable attorney fees and reimbursable expert fees, not already compensated by the MIDDD pursuant to MCL 213.66 and MCL 213.69;
- I. Statutory Interest, pursuant to MCLA 213.65, retroactively as of December 24, 2016, the date of taking, through July 31, 2017, on the total payment or award received by the Albus, excluding moving expenses and attorney fees, not already compensated by the MIDDD.

The Homeowner represents that they have not received any insurance monies to date compensating them for the lodging, food, fuel/mileage, utilities, personal property, attorney fees and other miscellaneous expenses referenced in this Agreement, and that are being reimbursed herein by MIDDD. Homeowner acknowledges and agrees that, to the extent they have received any insurance monies compensating them for these losses that are being reimbursed herein by MIDDD, it is their responsibility to pay over and reimburse the insurance company with these funds.

It is expressly understood that this Agreement is a resolution of a disputed claim and is not to be construed as an admission of liability by Releasees under any theory of law or equity, and that liability by the Releasees is expressly denied.

General Terms:

- a. Validity of Agreement: If any provision of this Agreement or the application thereof to any person or circumstances shall be invalid or unenforceable to any extent, the remainder of this Agreement and the application of such provisions to other persons or circumstances shall not be affected thereby and shall be enforced to the greatest extent permitted by law.
- b. Law and Venue: It is the intention of the parties hereto that this Agreement shall be interpreted, construed, and enforced according to the laws of Michigan. Macomb County shall be the exclusive jurisdiction to enforce this Agreement.
- c. No Oral Modification Clause: Neither this Agreement nor any provisions thereof may be changed, waived, discharged, or terminated orally, but only by an instrument in writing signed by all of the parties to this Agreement.
- d. Mutual Drafters: This Agreement has been voluntarily drafted by all parties hereto and all parties have had the opportunity to consult the counsel of their choice. Each party acknowledges that they have read and fully understand the terms of this Agreement and/or reviewed it with their counsel, with adequate opportunity and time to review and edit the Agreement. This Agreement has been a result of negotiations, and each party is fully aware of its contents and its legal effect. This Agreement has been signed by each party voluntarily, without coercion, intimidation or the threat of retaliation.
- e. Entire Agreement: This Agreement embodies the entire understanding of the parties and all of the terms and conditions with respect to the matters discussed in this Agreement; it supersedes and annuls any and all other or former agreements, contracts, promises, or representations, whether written or oral, expressed or implied, made by, for, or on behalf of the parties regarding these matters; and it may not be altered, superseded, or otherwise modified except in writing signed by all of the signatories to this Agreement. All executed copies of this Agreement are duplicate originals, equally admissible as evidence.
- f. Counterparts: This Agreement may be executed in counterparts, including facsimile signatures or transmissions of signatures in Adobe Acrobat (PDF) format, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.
- g. Authority: The individuals signing this Agreement, on behalf of their respective parties, represent and warrant that they have the authority to sign this Agreement.

- h. Cooperation: All parties agree to cooperate fully and execute any and all supplementary documents and take all additional actions that may be necessary or appropriate to give full force and effect to the basic terms of this Agreement. Time is of the essence in this Agreement.

- i. Waiver: Failure by any party to enforce any of the remedies provided to it in this Agreement will not be deemed a waiver of those rights.

IN WITNESS WHEREOF, Jerome and Susan E. Albu and MIDDD, have executed this Reimbursement and Release Agreement on the dates indicated below.

Homeowner:

Witness:

By: _____
Jerome Albu

By: _____
Susan E. Albu

Date: _____

Date: _____

By: _____

By: _____

Date: _____

Date: _____

MACOMB INTERCEPTOR DRAIN
DRAINAGE DISTRICT

Witness:

By: Candice S. Miller
Its: Authorized Board Member and
Macomb County Public Works Commissioner

By: _____

Date: _____

Date: _____

MACOMB INTERCEPTOR DRAIN DRAINAGE DISTRICT
AGENDA ITEM WORKSHEET

Meeting Date: Monday, July 10, 2017

Name of Project: 15 Mile Interceptor Collapse

Resident Address: 34821 Eberlein, Fraser, MI 48026

Resident Name: Lois Valente

Case Synopsis: This is a request for the MIDDD's review and approval of the Valente family reimbursement total amount of \$15,714.67. Expenses related to lodging, food, and utility expenses totaled \$6,014.00. Costs relating to their sewer backup remediation and rehabilitation expenses totaled \$9,700.67, resulting in an amount over \$10,000.00.

Recommendation: Approve the Valente family reimbursement amount of \$15,714.67 for lodging, food, utilities, and sewer backup remediation and rehabilitation expenses and authorize Aloia & Associates to proceed to finalize the claim.

RECEIVED
JUL 05 2017
BY: MH

REIMBURSEMENT AND RELEASE AGREEMENT #0165

Property Address: 34821 Eberlein, Fraser, MI 48026

Homeowner/Resident: Lois Valente

Reimbursement Claim:

Lodging: \$3,222.00

Food: \$2,592.00

Mileage: \$0

Miscellaneous: \$0

Utilities: \$200

Sewer Backup Reimbursement: 9,700.67

Your total reimbursement amount is \$15,714.67

City: MIDD 17A PJT Fund

Date	7.5.17
Chief Deputy	AB
Engineer(s)	JA
Manager(s)	
Coordinator(s)	PD
Finance Officer	MM

PA036428 95650
0092-05-1

By signing this Reimbursement and Release Agreement (the "Agreement") the Macomb Interceptor Drain Drainage District (the "MIDDD"), agrees to reimburse the amount of \$15,714.67 ("Total Reimbursement"), for lodging, food, fuel, mileage, utilities, damages relating to repair and restoration due to sewer disposal system overflow or back up, and the other miscellaneous expenses detailed in **Exhibit A**, to Lois Valente.

By signing this Agreement and accepting the Total Reimbursement, Lois Valente, on behalf of herself and her heirs, trusts, estates, successors, assigns and children (collectively "Homeowner") expressly agrees that by accepting the Total Reimbursement this is a full and final resolution of all of the Homeowner's claims for compensation and/or reimbursement for lodging, food, fuel, mileage, utilities, damages relating to repair and restoration due to sewer disposal system overflow or back up, and the other miscellaneous expenses detailed in **Exhibit A**, incurred on or before the date of this Agreement, arising out of the December 24, 2016, Macomb Interceptor Drain collapse and subsequent restoration and reconstruction project occurring in the City of Fraser on or near 15 Mile Road between Hayes Road and Utica Road ("Event").

The Homeowner hereby releases and forever discharges the MIDDD, the County of Macomb, the Macomb County Department of Public Works and the Macomb County Department of Public Works Commissioner Candice S. Miller, and their respective predecessors, successors, contractors and agents acting by, through or in concert with any of them ("Releasees"), from the reimbursement of lodging, food, fuel mileage, utilities, damages relating to repair and restoration due to sewer disposal system overflow or back up, and the other miscellaneous expenses listed in **Exhibit A** only, incurred on or before the date of this Agreement and arising out of the Event, whether in law and equity, including but not limited to MCL 213.1, et. seq., MCL 213.351, et. seq., and MCL 691.1417 through MCL 691.1417.

The Homeowner represents that they have not received any insurance monies to date compensating them for the lodging, food, fuel/mileage, utilities, damages relating to repair and restoration due to sewer disposal system overflow or back up, and other miscellaneous expenses

referenced in this Agreement, and that are being reimbursed herein by MIDDD. Homeowner acknowledges and agrees that, to the extent they have received any insurance monies compensating them for these losses that are being reimbursed herein by MIDDD, it is their responsibility to pay over and reimburse the insurance company with these funds.

It is expressly understood that this Agreement is a resolution of a disputed claim and is not to be construed as an admission of liability by Releasees under any theory of law or equity, and that liability by the Releasees is expressly denied. It is further expressly understood and agreed that this Agreement is not a waiver of any other potential claim the Homeowner may have that: (a) the Homeowner believes he/she may have or may discover; (b) may arise after the date you sign this Agreement; (c) is not released herein; (d) or is unrelated to Homeowner's claim for reimbursement for food, lodging, fuel, mileage utilities, damages relating to repair and restoration due to sewer disposal system overflow or back up, and the other miscellaneous expenses detailed in **Exhibit A** incurred on or before the date of this Agreement. Furthermore, the Releasees do not waive the right to defend or dispute any of these other potential claims, and reserves the right to raise any defenses to these other potential claims which may be available in equity and law.

IN WITNESS WHEREOF, Lois Valente and MIDDD, have executed this Reimbursement and Release Agreement on the dates indicated below.

Homeowner:

By: Lois Valente
Date: June 28, 2017

Witness:

By: Helene Hardy
Date: 6-28-2017

MACOMB INTERCEPTOR DRAIN
DRAINAGE DISTRICT

By: Candice S. Miller
Its: Authorized Board Member and
Macomb County Public Works Commissioner
Date: 7/5/17

Witness:

By: Emily Engelmann
Date: 7/5/17



Candice S. Miller

Public Works Commissioner
Macomb County

To: Candice Miller, Macomb County Public Works Commissioner

From: Vincent Astorino, Engineer II – Wastewater Services

Date: July 5, 2017

Subject: North Gratiot Pump Station West Pump Repair Recommendation

The North Gratiot Pump Station West Pump was recently serviced as part of its semi-annual maintenance and it was found to have a mechanical issue. The problem with the pump is that the mechanical seal had failed and was allowing sewage to fill into the oil chamber and contaminate the inside of the pump. Our operators had the contractor (Kennedy Industries) remove the damaged pump and bring it back to their facility for further inspection. Attached is a report documenting what they found.

Kennedy Industries who is the certified contractor for Flygt pumps in this area have provided us a quote to repair the damaged pump for \$22,474. This includes installing it at the site when the rebuild is complete. This pump is approximately 6 years old and a replacement pump is roughly \$60,000 to give you a comparison.

This pump is one of two pumps at this facility and due to the issues with the West pump we are currently relying on just the East pump. I am recommending that we get the West pump repaired for \$22,474 on an emergency basis to get our redundancy restored at that facility. Once the West pump is replaced we will perform our maintenance on the East pump and ensure that it is operating per factory specifications.

OFFICE LOCATION: 21777 Dunham Road, Clinton Township, Michigan 48036 • Phone: 586-469-5325 • Fax: 586-469-5933

MAILING ADDRESS: P. O. Box 806, Mt. Clemens, Michigan 48046-0806

ENGINEERING • Phone: 586-469-5910 • Fax: 586-469-7693 ♦ **SOIL EROSION** • Phone: 586-469-5327 • Fax 586-307-8264



QUOTATION		
DATE	NUMBER	PAGE
7/3/2017	81780	1 of 2

B MAC152
 I MACOMB COUNTY PUBLIC WORKS
 L CHAPATON RTB
 T 23001 E. NINE MILE RD
 O ST. CLAIR SHORES, MI 48080

Accepted By: _____
 Company: _____
 Date: _____
 PO#: _____

ATTENTION:
 GREG SANTO P: 586-557-1055 F: 586-469-5933 GREG.SANTO@MACOMBGOV.ORG

WE ARE PLEASED TO PROPOSE THE FOLLOWING FOR YOUR CONSIDERATION:

CUSTOMER REF/PO #	JOB #	JOB TITLE	SLP	SHIPPING TYPE
	81780	MACOMB COUNTY, FLYGT, PUMP, 3231.615-1081128, N. GRATIOT INTERCEPTOR	JMK / KES	FIELD SERVICE
QTY	DESCRIPTION			

THE FOLLOWING QUOTE IS FOR THE COST OF LABOR AND MATERIALS TO REPAIR THE ABOVE REFERENCED PUMP.

NEW PARTS REQUIRED:

- (1) UPPER MECHANICAL SEAL
- (1) LOWER MECHANICAL SEAL
- (1) BALL BEARING
- (2) ROLLER BEARINGS
- (2) O-RING KITS
- (4) CABLE LUGS
- (3) JUMPER BARS
- (1) TERMINAL BOARD
- (4) CABLE SUPPORT GRIPS
- (1 SET) FASTENERS

LABOR REQUIRED:

- DISASSEMBLE, SANDBLAST, CLEAN AND INSPECT COMPLETE PUMP.
- WELD AND MACHINE O-RING FIT ON INSPECTION PORT TO RESTORE PROPER SIZE.
- ASSEMBLE ALL ROTATING PARTS ON SHAFT AND PLACE IN BALANCE MACHINE.
- VERIFY TOTAL INDICATOR RUN OUTS THEN DYNAMICALLY BALANCE ROTOR TO ISO G2.5.
- ASSEMBLE PUMP COMPLETE WITH NEW PARTS LISTED.
- PRESSURE TEST SEAL CHAMBER TO INSURE LEAK FREE.
- INSTALL NEW OIL OR COOLANT IN SEAL CHAMBER.
- PRESERVE FOR DELIVERY TO YOUR LOCATION.

REPAIR COST: \$ 20,889.00

DELIVERY: 2 WEEKS (AFTER RECEIPT OF ORDER)

Kennedy Industries Inc.

QUOTATION		
DATE	NUMBER	PAGE
7/3/2017	81780	2 of 2

QTY	DESCRIPTION
-----	-------------

THE FOLLOWING QUOTE IS FOR FIELD SERVICE REQUIRED ON YOUR ABOVE REFERENCED PUMP STATION:

FIELD SERVICE LABOR REQUIRED:

KENNEDY INDUSTRIES PROVIDED (1) FIELD SERVICE TECHNICIAN(S) ONSITE ON 6/26/2017 TO REMOVE PUMP AND TRANSPORT BACK TO OUR WIXOM REPAIR FACILITY. THIS WAS PREVIOUSLY BILLED ON INVOICE #578127 AT \$703.75. REMOVAL COST NOT INCLUDED IN THE TOTAL FOR THIS QUOTE.

KENNEDY INDUSTRIES WILL PROVIDE (1) FIELD SERVICE TECHNICIAN(S) ONSITE TO INSTALL YOUR REPAIRED PUMP, TEST RUN, VERIFY PROPER OPERATION AND COMPLETE MAINTENANCE INSPECTION ON YOUR SECOND PUMP.

ESTIMATED INSTALL COST: \$1,585.00

THE ABOVE SERVICE INSTALL IS QUOTED BASED ON AN ESTIMATED (10) HOURS PER DAY INCLUDING TRAVEL. IF TIME SPENT ON THE JOB DIFFERS FROM THIS ESTIMATE, YOU WILL BE BILLED ACCORDINGLY BASED ON THE BELOW RATES:

MONDAY THRU FRIDAY 7:00AM-3:00PM: \$115.00/HR
 MONDAY THRU FRIDAY 3:00PM-7:00AM: \$172.50/HR
 SATURDAYS (ALL HOURS): \$172.50/HR
 SUNDAYS AND HOLIDAYS (ALL HOURS): \$230.00/HR
 EMERGENCIES 8:00PM - 6:00AM - ALL DAYS \$230.00/HR
 DRIVE TIME: PER ABOVE RATES
 MILEAGE: \$1.00/MILE
 MEALS: \$50.00/DAY (WHEN OVERNIGHT STAY IS REQUIRED)
 LODGING: COST + 15% (WHEN OVERNIGHT STAY IS REQUIRED)

 REPAIR COST: \$20,889.00

ESTIMATED FIELD SERVICE COST: \$1,585.00

TOTAL COST: \$22,474.00

DELIVERY: 2 WEEKS (AFTER RECEIPT OF ORDER)

 WE DO NOT INCLUDE: CONCRETE, OR SITE WORK, ANCHOR BOLTS, PIPING, VALVES, COVER, CONDUIT, WIRING, JUNCTION BOXES, PADLOCKS OR KEYS, START-UP UNLESS LISTED ABOVE.

WE WILL NOT PROCEED WITH THIS REPAIR UNTIL GIVEN AUTHORIZATION. PLEASE PROVIDE WRITTEN OR VERBAL AUTHORIZATION SO THAT WE MAY RESPOND TO YOUR REQUIREMENTS. IF YOU HAVE ANY QUESTIONS, COMMENTS, OR ARE IN NEED OF ANY ADDITIONAL INFORMATION PLEASE FEEL FREE TO CONTACT ME AT (248) 684-1200.

SINCERELY,

SARAH RAHN
 SRAHN@KENNEDYIND.COM

<p>This quote is subject to and incorporates by reference Kennedy Industries, Inc.'s ("Kennedy") Terms & Conditions and Customer Warranty available at www.kennedyind.com which will be provided by mail upon written request. Kennedy reserves the right to change the Terms & Conditions and Customer Warranty for future orders. By accepting this quote and/or issuing a purchase order relative to this quote, buyer expressly agrees to the provisions set forth in the Terms & Conditions and Customer Warranty posted on Kennedy's website.</p> <p>CREDIT CARD ORDERS ARE SUBJECT TO AN ADDITIONAL 3% CHARGE NO TAXES OF ANY KIND ARE INCLUDED IN THIS PROPOSAL</p>	<p>TOTAL: \$22,474.00</p>
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July 3, 2017

Mr. Greg Santo
Macomb County Public Works
23001 9 Mile Road
St. Clair Shores, MI 48080

RE: Flygt 3231.615 Pump
Serial Number: 1081128
Kennedy Industries #: 81780

Mr. Santo:

Attached are photos with descriptions of the parts in need of repair or replacement. If you have any questions, please do not hesitate to contact us.

Sincerely,

Sarah Rahn

KENNEDY INDUSTRIES, INC.

PUMP



- Pump prior to disassembly
- Impeller turns freely by hand but was rough
- Test run was done at low speed due to loud bearing noise

PUMP



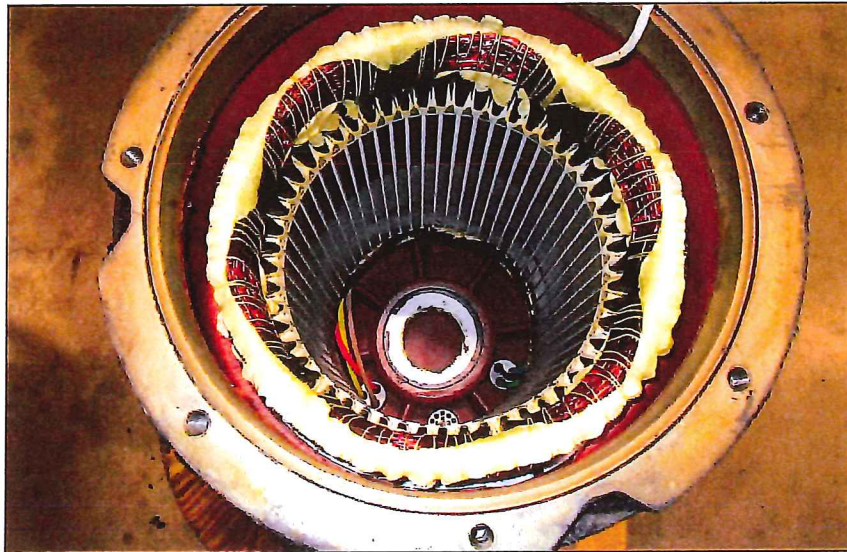
- Mechanical seal leakage allowed sewage to fill the oil chamber and contaminate the inside of the pump
- All mechanical seals, bearings, and O-rings will be replaced with new

MOTOR CABLE



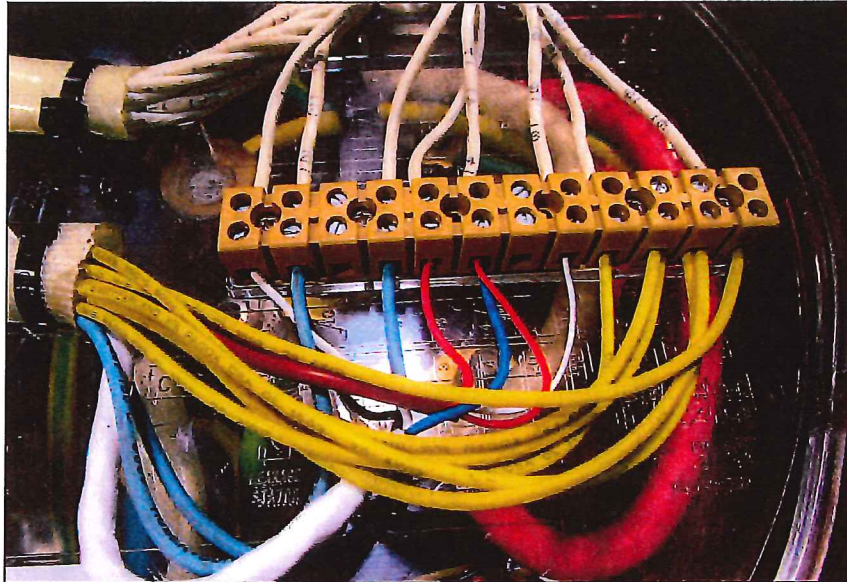
- Cut in motor cable does not go all the way through to leads
- Heat shrink will be installed over cut to prevent further cutting

STATOR



- The stator is dry and passes all electrical testing

TERMINAL BOARD



- The terminal board will be replaced to comply with ordinance SBN-2016-04

LOWER BEARING HOUSING



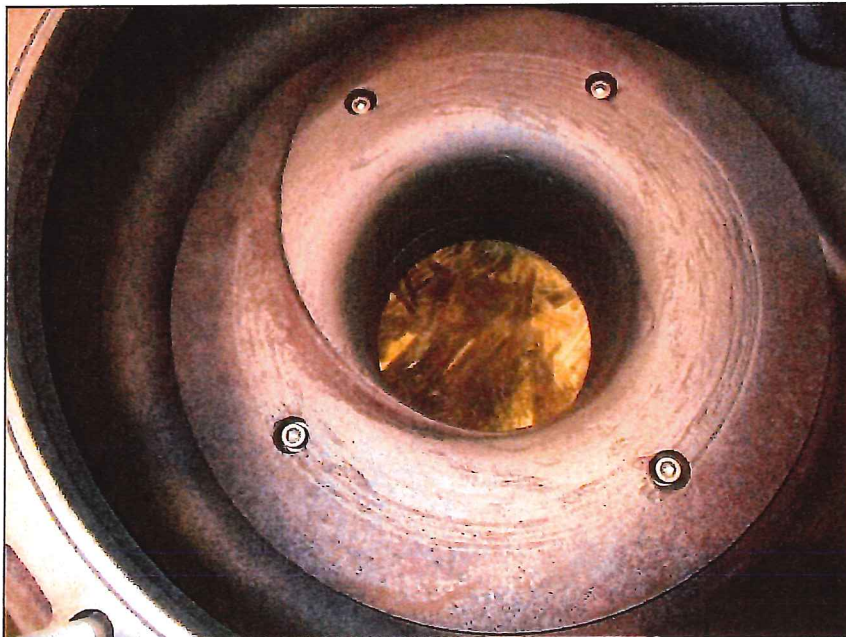
- The inspection port is corroded at the O-ring fit
- The fit will be welded and machined

IMPELLER



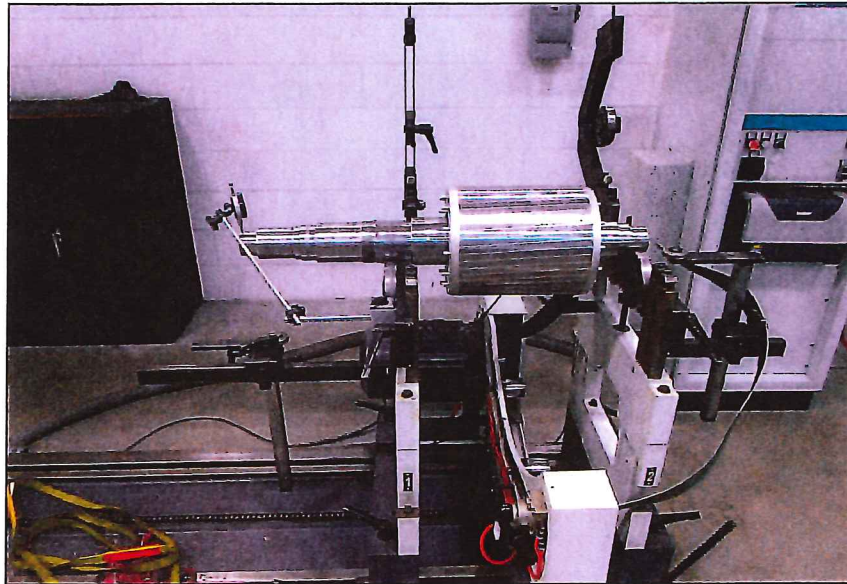
- The impeller has minor wear to leading edges of vanes
- Impeller can be reused

INSERT RING



- The insert ring has minor wear and will be reused

ROTOR



- The rotor is in good condition and will be reused
- T.I.R. is .001

Macomb Interceptor Drain - 7/10/17

Funding Source	Apportionment	Manager	Vendor	Amount	Invoice Detail	Project Summary	Project Balance
Macomb Interceptor Drain Administration	Chapter 20 Chesterfield - 7.1% Clinton - 21.6% Fraser - 4.3% Harrison - 5.8% Lenox - 7% Macomb - 13.6% New Haven - .9% Shelby - 9.8% Sterling Heights - 31.6%	Baker	Aloia & Associates, Inc.	\$ 1,353.75	Invoice #16135 - 6/1/17	MCPW Property Sales	
		Baker	Aloia & Associates, Inc.	\$ 16,710.75	Invoice #16139 - 6/1/17	Sterling Heights v. MIDD Lawsuit	
		Astorino	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 2,199.30	Invoice #367261 - 5/31/17 Engineering Services - ending 5/19/17	GLWA Assistance	
		Baker	FTI Consulting	\$ 2,000.00	Invoice #7445481 - 5/11/17	On-line hosting fees - MID vs. Inland	
		Baker	FTI Consulting	\$ 2,000.00	Invoice #7448231 - 6/13/17	On-line hosting fees - MID vs. Inland	
		Astorino	Ghadys, LLC	\$ 18,580.00	Invoice #MCWEBAPP-08 - 6/7/17 Services - 10/10/16 - 6/6/17	Phase 1 - Final Bluewater Meter Data Analytics	
		Astorino	Giffels Webster	\$ 35,224.00	Invoice #113787 - 5/9/17 Engineering Services - ending 4/22/17	Inspection Program & Grant Management MID Sewer Inspection Work - Red Zone	\$ 824,517.42
		Astorino	Giffels Webster	\$ 20,875.75	Invoice #113788 - 5/9/17 Engineering Services - 3/26/17 - 4/22/17	Maintenance/Computerized Asset Management MID System - Interceptors/ Metering Structures	\$ 197,631.00
		Astorino	METCO Services, Inc.	\$ 49,739.20	Invoice #1411-7B - 6/22/17 Engineering Services - 4/1/17 - 5/31/17	Project Management/NexGen	Project Complete
		Astorino	City of Mount Clemens	\$ 14,161.89	Invoice #11632 - 6/14/17	Sewage Flow Billing - 4/22/17 - 5/19/17	
		Astorino	RedZone Robotics, Inc.	\$ 290,300.53	Construction Estimate #1 - 6/19/17	Condition Assessment	\$ 1,176,017.56
		Astorino	DTE Energy	\$ 16,336.68	Monthly Electrical - 5/2/17 - 6/1/17	Sinkhole	
		Astorino	Aloia & Associates, Inc.	\$ 8,473.25	Invoice #16137 - 6/1/17	Interceptor Repair	
		Astorino	Anderson, Eckstein & Westrick, Inc.	\$ 37,958.54	Invoice #0114365 - 6/20/17 Engineering Services - 5/1/17 - 5/28/17	Recovery Shaft	
		Astorino	Anderson, Eckstein & Westrick, Inc.	\$ 600,333.48	Invoice #0114366 - 6/20/17 Engineering Services - 5/1/17 - 5/28/17	Sewer Lining	
Astorino	Anderson, Eckstein & Westrick, Inc.	\$ 39,478.88	Invoice #0114367 - 6/20/17 Engineering Services - 5/1/17 - 5/28/17	Recovery Shaft			
Bantios	Dan's Excavating	\$ 4,131,618.71	Construction Estimate #3 - 6/5/17	As-needed engineering services			
Stockerl Astorino	DTE Energy Fishbeck, Thompson, Carr & Huber, Inc.	\$ 1,699.24 \$ 2,021.50	Underground secondary services Invoice #367252 - 5/31/17 Engineering Services - ending 5/19/17	Special Assessments			
Manning Astorino	Foster Swift Giffels Webster	\$ 8,375.00 \$ 14,707.70	Invoice #716931 - ending 5/23/17 Invoice #113786 - 5/9/17	Odor Control for Sinkhole	Project Complete		

Clintondale P.S.

15 Mile Sinkhole

Macomb Interceptor Drain - 7/10/17

<u>Funding Source</u>	<u>Apportionment</u>	<u>Manager</u>	<u>Vendor</u>	<u>Amount</u>	<u>Invoice Detail</u>	<u>Project Summary</u>	<u>Project Balance</u>
15 Mile Sinkhole (Continued)		Astorino	Hubbell, Roth & Clark, Inc.	\$ 7,972.15	Invoice #0152681 - 6/15/17 Engineering Services - ending 6/3/17	MID repair project funding assistance study plan review	
		Forlini	Minute Men	\$ 785.49	Invoice #48951 - 6/4/17	Staffing for sinkhole - Harrington Drain cleanout	
		Forlini	Minute Men	\$ 971.64	Invoice #49161 - 6/11/17	Staffing for sinkhole - Harrington Drain cleanout	
		Forlini	Minute Men Staffing Services	\$ 877.64	Invoice #49346 - 6/18/17	Staffing for sinkhole - Harrington Drain cleanout	
		Forlini	Minute Men Staffing Services	\$ 817.44	Invoice #49417 - 6/25/17	Staffing for sinkhole - Harrington Drain cleanout	
		Forlini	Oceanview Excavation	\$ 4,380.00	Invoice #473 - 6/20/17	Harrington Drain cleanout	
		Astorino	Phoenix Loss Control	\$ 60,145.59	Wide Open West - 12/26/17	Damage to Wide Open West location at 15370 15 Mile Road and Eberlein Drive	
		Bantios	Ric-Man Construction	\$ 2,000,000.00	Fourth Partial Payment Estimate	Sinkhole	
		Astorino	Giffels Webster	\$ 9,041.25	Invoice #113784 - 5/9/17 Engineering Services - ending 4/22/17	Survey & Geotechnical Analysis, Construction Administration/Inspection, Post Rehab Review/Reports, As-builts, Project Administration	\$ 16,054.97
		Bantios	Lanzo Lining Services, Inc.	\$ 32,095.00	Construction Estimate #12 - 5/30/17	Relining of sewers	\$ 290,284.41
Meters	SRF 5624-01	Astorino	Hubbell, Roth & Clark, Inc.	\$ 5,091.50	Invoice #0152772 - 6/16/17 Engineering Services - ending 5/20/17	Meter Pit Evaluations - Construction Services	\$ 191,904.50
		Astorino	Martin Control Services	\$ 1,450.00	Invoice #10075 - 6/5/17	MID Meter Repair	
		Astorino	Martin Control Services	\$ 17,020.00	Application #7 - 6/13/17	MID Meter Maintenance	\$ 558,020.00
		Astorino	Anderson, Eckstein & Westrick, Inc.	\$ 8,856.25	Invoice #0114342 - 6/15/17 Engineering Services - 5/11/17 - 5/28/17	Condition Assessment	\$ 296,811.00
NGI SAW Grant 1406-01		Astorino	DE-CAL, Inc.	\$ 1,622.00	Invoice #WO17000845 - 6/2/17	ARV Maintenance - NGI/MIDD	
		Stockel	Wild Bill and Associates	\$ 1,305.00	Invoice #7499 - 6/8/17	For Sale Sign for 21 Mile/Sugarbush	
		Astorino	Fishbeck, Thompson, Carr & Huber, Inc.	\$ 1,431.80	Invoice #367255 - 5/31/17 Engineering Services - ending 5/19/17	Flow Metering Work Group meetings, Gate Operations meetings	
OMID							
Total				\$ 7,468,010.90			

Income Statement
MIDDD
As of June 30, 2017

	30-Jun-16 Total Fund	7-1-16 to 6-30-17 O&M*
Revenues		131,017,022
Expenditures		96,792,657
Equity	7,683,997	

NOTES

Projected reserve at 6/30/2017 is

* Includes following Projects:

Dec 2016 Sinkhole

Revenue	8,600,000	70,000,000	2017A Bond
Expenditures	73,131,735	3,000,000	State Grant
Net	40,850,388	131,735	Clinton Twp share of AEW invoice
	32,281,347		

4 SAW Grants

Revenue	872,804
Expenditures	1,041,914
Net	(169,110)

Sewage Metering(SRF 5487-01)

Revenue	1,158,091
Expenditures	977,097
Net	180,994

Corrosion Control(Project on Hold)

Revenue	120,024
Expenditures	(120,024)
Net	