

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT**  
**April 18, 2018**

**1. Call to Order and Roll Call:**

The regular monthly meeting of the Metropolitan Sewerage District Board was held in the Boardroom of MSD's Administration building at 2:01 pm Wednesday, April 18, 2018. Chairman VeHaun presided with the following members present: Ashley, Bryson, Frost, Holland, Kelly, Manheimer, Pelly, Pressley, Watts and Wisler. Root was absent.

Others present were: Thomas E. Hartye, PE, General Manager; William Clarke, General Counsel; Forrest Westall with McGill Associates; Joseph Martin with Woodfin Sanitary Water and Sewer District; Ed Bradford, Hunter Carson, Scott Powell, Ken Stines, Mike Stamey, Jim Hemphill, Angel Banks, Spencer Nay and Pam Nolan, MSD.

**2. Inquiry as to Conflict of Interest:**

Mr. VeHaun asked if there were any conflicts of interest with the agenda items. No conflicts were reported.

**3. Approval of Minutes of the March 21, 2018 Board Meeting:**

Mr. VeHaun asked if there were any changes to the Minutes of the March 21, 2018 Board Meeting. Mr. Watts moved for approval of the minutes as presented. Mr. Pelly seconded the motion. Voice vote in favor of the motion was unanimous.

**4. Approval of Closed Session Minutes of the March 21, 2018 Board Meeting:**

Mr. VeHaun asked if there were any changes to the Minutes of the March 21, 2018 Closed Session. Mr. Pelly moved for approval of the minutes as presented. Ms. Bryson seconded the motion. Voice vote in favor of the motion was unanimous.

**5. Discussion and Adjustment of Agenda:**

None.

**6. Informal Discussion and Public Comment:**

Mr. VeHaun welcomed Joe Martin. There was no public comment.

**7. Report of General Manager:**

Mr. Hartye reported that attached is an e-mail from Nancy Alenier filing her complaint with MSD along with expressing her appreciation for the response to the complaint. Thanks to Ken Stines, Ricky Bates and the in-house construction crew.

Mr. Hartye reported that on July 20, 2017 the North Carolina General Assembly signed into law N.C. General Statute 162A Article 8, which started out

as House Bill 436. This provides for the uniform authority to implement system development fees for public water and sewer systems in North Carolina. The Statute sets out the limitations and requirements that must be met prior to July 1, 2018. MSD contracted with the Raftelis Consulting Firm to perform the prescribed system development fee calculations for MSD. This report was made public on the MSD website on March 28, 2018. Staff will bring this to the Finance Committee on May 3<sup>rd</sup> and provide for a public hearing on May 16<sup>th</sup> at the Regular Board Meeting. The last time MSD raised fees was approximately 6 years ago. Basically the same methodology has been used by MSD as was used for the study.

Mr. Hartye reported that MSD has no PIO's on Staff and he wanted to recognize efforts that are made above and beyond normal jobs. Aside from occasional Chamber and Rotary Presentations, MSD hosts booths at area expos and events. Lisa Tolley and Kay Farlow head up MSD's effort to educate the public at these events, often with the help of Jackie Bryson. These events include the Build and Remodel Expo which was a 2 day event with about 3000 people in attendance, the Live Well Expo which was a 1 day event with about 8,000 people in attendance, and the VA Hospital Earth Day Fair which will be held on April 24<sup>th</sup>. Additionally, Roger Edwards heads up the effort for guided tours at the plant, which for 2017 included approximately 500 individuals including elementary schools, a lot of high schools, and senior citizens. The typical 2 hour tour is now part of the regular curriculum for the AB Tech Environmental Engineering Program.

Mr. Hartye reported that the CIP Committee will meet April 24<sup>th</sup> at 8:30 am. Personnel Committee will also meet the same day, April 24<sup>th</sup> at 11 am. The Finance Committee will meet May 3<sup>rd</sup> at 9 am. The next regular Board meeting will be held on May 16<sup>th</sup> at 2 pm. The next Right of Way Committee meeting will be held on May 23<sup>rd</sup> at 9 am. A Planning Committee meeting will be held on June 13<sup>th</sup> at 1 pm, right before the 2 pm Board Meeting.

**8. Report of Committees:**

**a. Right of Way Committee—March 28, 2018**

Mr. Kelly reported that the Right of Way Committee met on March 28, 2018, and made recommendations, all of which are routine and included in this Board package. There were no questions.

**9. Consolidated Motion Agenda:**

**a. Consideration of Condemnation – Old Haw Creek @ Greenbriar Road  
GSR:**

Mr. Hartye reported that Staff and Right of Way Committee recommend authority to obtain appraisal and proceed with condemnation, if necessary.

**b. Consideration of Compensation Budget – Thurland Avenue Sewer Extension:**

Mr. Hartye reported that Staff and Right of Way Committee recommend approval of this compensation budget.

**c. Consideration of Revised Compensation Budget – Old West Chapel Road GSR:**

Mr. Hartye reported that Staff and Right of Way Committee recommend approval of this revised compensation budget.

**d. Consideration of Bids – Patton Hill Road, School Road @ Cranford Road and Sheppard Drive:**

Mr. Hartye reported that this is a grouping of three smaller projects under one contract. Patton Hill Road is located in Swannanoa, while School Road and Sheppard Drive are both located in West Asheville. These are 4-inch and 6-inch lines in very bad condition. Pipe Ratings for each of the three projects are high due to rood intrusion and pipe defects. The three projects combined add up to 1,533 LF of 8-inch ductile iron pipe and 8-inch HDPE pipe. Two formal bids were received on March 27, 2018; therefore, the contract was re-advertised and again two bids were received on April 5, 2018 as follows: Terry Brothers Construction Company in the amount of \$508,267.60 and Fuller & Company Construction, LLC in the amount of \$500,616.34. The apparent low bidder is Fuller & Company Construction, LLC with a bid amount of \$500,616.34. Fuller & Company has not previously worked for the District; therefore, staff checked multiple references. The references were highly complementary of Fuller & Company's work. The combined FY 17-18 Construction Budgets for the three projects is \$495,940.00. Sufficient funds are available in the Contingency for overage. Staff recommends award of this contract to Fuller & Company Construction, LLC in the amount of \$500,616.34, subject to review and approval by District Counsel.

**e. Consideration of Budget Amendment:**

Mr. Powell reported that in the current fiscal year, the District has incurred higher than expected general liability claims. As such, Staff recommends amending the financial plan of the Insurance Fund in the amount of \$300,000.00. This amount will cover existing claims as well as potential claims for the remainder of the fiscal year. Funds for this amendment will be appropriated out of the Insurance Funds Reserve.

**f. Cash Commitment/Investment Report Month ended February, 2018:**

Mr. Powell reported that Page 33 presents the makeup of the District's Investment Portfolio. There has been no change in makeup of the portfolio from the prior month. Page 34 presents the MSD investment managers report for the

month of February. The weighted average maturity of the investment portfolio is 120 days. The yield to maturity is 1.5%. Page 35 presents the District's analysis of cash receipts. Domestic User Fees are considered reasonable based on timing of cash receipts and historical trends. Industrial user fees are considered reasonable taking into consideration a temporary increase in revenue from one industrial user. Facility and tap fees are above budgeted expectations due to receiving approximately \$1.1 million from three developers. Page 36 presents the District's analysis of expenditures. The District's O&M expenditures are considered reasonable based on historical trends and current year budgeted needs. Debt Service expenditures are below budgeted expectations due to lower than expected interest rates on the District's Series 2008A Revenue refunding bonds. Due to the nature and timing of Capital Projects, YTD expenditures can vary from year to year. Based on the current outstanding capital projects, YTD expenditures are considered reasonable. Page 37 presents MSD's Variable Debt Service report. The 2008A Series are performing better than budgeted expectations. As of the end of March, both issues have saved the District rate payers approximately \$5.4 million in debt service since April, 2008.

With no further discussion, Mr. VeHaun called for a motion to approve the Consolidated Motion Agenda. Ms. Wisler moved. Mr. Watts seconded the motion. Roll call vote was as follows: 11 ayes; 0 Nays.

**9. Old Business:**

None

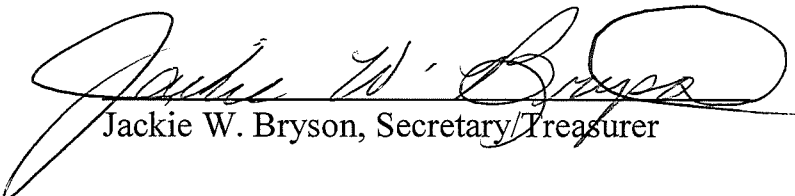
**10. New Business:**

Ms. Manheimer reported that Mr. Powell has agreed to serve on the City of Asheville's Audit Committee and thanked him for his time serving in that capacity.

Ms. Frost thanked Mr. Hartye for attending the Buncombe County Commissioner's Meeting this week.

**11. Adjournment:**

With no further business, Mr. VeHaun called for adjournment at 2:17 pm.

  
Jackie W. Bryson, Secretary/Treasurer

# MSD

## Regular Board Meeting

Metropolitan Sewerage District  
of Buncombe County, NC

## AGENDA FOR 4/18/18

✓	Agenda Item	Presenter	Time	
	Call to Order and Roll Call	VeHaun	2:00	
	01. Inquiry as to Conflict of Interest	VeHaun	2:05	
	02. <a href="#">Approval of Minutes of the March 21, 2018 Board Meeting</a>	VeHaun	2:10	
	03. Discussion and Adjustment of Agenda	VeHaun	2:15	
	04. Informal Discussion and Public Comment	VeHaun	2:20	
	05. <a href="#">Report of General Manager</a>	Hartye	2:25	
	06. Report of Committees	VeHaun	2:35	
	a. <a href="#">Right of Way Committee – March 28, 2018</a>	Kelly		
	06. Consolidated Motion Agenda	Hartye	2:40	
	a. Consideration of Condemnation – <a href="#">Old Haw Creek @ Greenbriar Road GSR</a>	Hartye		
	b. Consideration of Compensation Budget – <a href="#">Thurland Avenue Sewer Extension</a>	Hartye		
	c. Consideration of Revised Compensation Budget - <a href="#">Old West Chapel Road GSR</a>	Hartye		
	d. Consideration of Bids – <a href="#">Patton Hill Road, School Road @ Cranford Road and Sheppard Drive</a>	Hartye		
	e. <a href="#">Consideration of Budget Amendment</a>	Powell		
	d. <a href="#">Cash Commitment/Investment Report – Month ended February, 2018</a>	Powell		
	08. Old Business:	VeHaun	3:00	
	09. New Business:	VeHaun	3:10	
	10. Adjournment: (Next Meeting 5/16/18)	VeHaun	3:15	
	<a href="#">STATUS REPORTS</a>			

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT**  
**March 21, 2018**

**1. Call to Order and Roll Call:**

The regular monthly meeting of the Metropolitan Sewerage District Board was held in the Boardroom of MSD's Administration building at 2:00 pm Wednesday, March 21, 2018. Chairman VeHaun presided with the following members present: Ashley, Bryson, Holland, Kelly, Manheimer, Pelly, Pressley, Watts and Wisler. Frost and Root were absent.

Others present were: Thomas E. Hartye, PE, General Manager; William Clarke, General Counsel; Mike Bryant with the NC League of Municipalities; Ed Bradford, Hunter Carson, Scott Powell, Ken Stines, Mike Stamey, Matthew Walter, Jim Hemphill, Peter Weed, Angel Banks, Spencer Nay and Pam Nolan, MSD.

**2. Inquiry as to Conflict of Interest:**

Mr. VeHaun asked if there were any conflicts of interest with the agenda items. No conflicts were reported.

**3. Approval of Minutes of the February 21, 2018 Board Meeting:**

Mr. VeHaun asked if there were any changes to the Minutes of the February 21, 2018 Board Meeting. Mr. Kelly moved for approval of the minutes as presented. Mr. Watts seconded the motion. Voice vote in favor of the motion was unanimous.

**4. Discussion and Adjustment of Agenda:**

None.

**5. Informal Discussion and Public Comment:**

Mr. VeHaun welcomed Mike Bryant. There was no public comment.

**6. Report of General Manager:**

Mr. Hartye reported that attached is an e-mail from Carolyn Snipes expressing her appreciation for the response from Mitch Hawes and Jamie Foxx.

Mr. Hartye reported that attached is an AC-T article on the interceptor lining project that MSD is performing on the Biltmore Estate. He presented some pictures and explained that MSD is lining the 36" interceptor, consisting of approximately 6,600 LF. Much of this interceptor from the south and north has been upgraded but not the section in the Estate. This interceptor is in good structural condition and

mainly leaking in joints so it is being lined to make it viable again and it will last for many years. However, it won't be appropriate for the next 50 years or further. Therefore, MSD is going to be designing and constructing a new interceptor to run alongside this relief interceptor. These projects will be covered more in the CIP Meeting in April.

Mr. Hartye presented some pictures of the on-going work at the plant and stated that some areas have been demolished and new facilities put in. This job will last through the end of the year with another project following right behind it.

Mr. Hartye reported that as part of developing the preliminary budget, the CIP Committee will meet on April 24<sup>th</sup> at 8:30 am to update the Ten-Year CIP and approve the FY 2019 Construction Fund. The Personnel Committee will also meet on April 24<sup>th</sup>, possibly at 11 am, to consider Cost of Living/Merit pay and Benefit Allocations (i.e. Self-Funded Medical and Dental Program). A notice will be sent out when a firm time is established. The Finance Committee will meet May 3<sup>rd</sup> to consider a Preliminary Budget with an updated 10 year Business Plan which will incorporate recommendations from the other Committees. Mr. Hartye strongly suggested that Board Members attend the Finance Committee Meeting. This year there will be some major projects (over \$100 million) moved into the 10 year CIP including a large plant project and some major interceptor rehabilitation.

Mr. Hartye reported that the next regular Board meeting will be held on April 18<sup>th</sup> at 2 pm. The next Right of Way Committee meeting will be held on March 28<sup>th</sup> at 9 am.

**7. Consolidated Motion Agenda:**

**a. Consideration of Developer Constructed Sewer Systems: Biltmore Lake Block D2-E; Franklin School of Innovation; Thoms Estate Ph. 3B-4; West Skyland Circle:**

Mr. Hartye reported that the Biltmore Lake Block D2-E project is located inside the District boundary off Enka Lake Road and included extending approximately 3,274 linear feet of 8-inch public gravity sewer to serve the 19 unit residential development.

Mr. Hartye reported that the Franklin School of Innovation project is located off of Sardis Road and included extending approximately 320 linear feet of 8-inch public gravity sewer to serve the school campus.

Mr. Hartye reported that the Thoms Estate Ph. 3B-4 project is located off Elk Mountain Scenic Highway and included extending approximately 4,270 linear feet of 8-inch public gravity sewer to serve the 57 units for this phase of the single family residential development.

Staff recommends acceptance of the aforementioned developer constructed sewer systems. All MSD requirements have been met.

Mr. Hartye reported that the West Skyland Circle project is located in Woodfin and included extending approximately 275 linear feet of 8-inch public gravity sewer to serve the 3 unit single family residential development. MSD also participated in this project. Only 60 feet of the sewer extension was needed for their development. The remaining 215 feet was part of an in-house private sewer rehabilitation project. Based on the developer's actual construction cost, the total reimbursement amount is \$19,389.09.

Staff recommends acceptance of this developer constructed sewer system and authorization of payment in the amount of \$19,389.09 to the developer for the MSD Cost Participation Program. All MSD requirements have been met.

**c. Cash Commitment/Investment Report Month ended January, 2018:**

Mr. Powell reported that Page 19 presents the makeup of the District's Investment Portfolio. There has been no change in makeup of the portfolio from the prior month. Page 20 presents the MSD investment managers report for the month of January. The weighted average maturity of the investment portfolio is 110 days. The yield to maturity is 1.41% and is exceeding our benchmark of the North Carolina Capital Management Trust government portfolio. It does not exceed the bench mark of the 6 month T-Bill. Page 21 presents the District's analysis of cash receipts. Domestic User Fees are considered reasonable based on timing of cash receipts and historical trends. Industrial user fees are considered reasonable taking into consideration a temporary increase in revenue from one industrial user. Facility and tap fees are above budgeted expectations due to receiving \$1.1 million from three developers. Page 22 presents the District's analysis of expenditures. O&M, Debt Service and Capital Project expenditures are considered reasonable based on historical trends and timing of capital projects. Page 23 presents MSD's Variable Debt Service report for the month of February. The 2008 A Series is performing better than budgeted expectations. As of the end of February, the issue has saved the District rate payers approximately \$5.3 million in debt service since April, 2008. There were no questions pertaining to this item.

With no further discussion, Mr. VeHaun called for a motion to approve the Consolidated Motion Agenda. Mr. Watts moved. Ms. Wisler seconded the motion. Roll call vote was as follows: 10 ayes; 0 Nays.

**9. Old Business:**

None

**10. New Business:**

At 2:16 pm, Mr. Watts moved the Board go into closed session to consult with attorney to preserve attorney-client privilege. Mr. Pelly seconded the motion. Voice vote in favor of the motion was unanimous.

At approximately 2:31 pm, the Board went back into open session.



Minutes  
March 21, 2018  
Page Four

**11. Adjournment:**

With no further business, Mr. VeHaun called for adjournment at 2:32 pm.

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Jackie W. Bryson, Secretary/Treasurer



## MEMORANDUM

TO: MSD Board  
FROM: Thomas E. Hartye, P.E., General Manager  
DATE: March 16, 2018  
SUBJECT: Report from the General Manager

- Kudos

Attached is an email from Nancy Alenier filing her complaint with MSD along with expressing her appreciation for the response to the complaint. Thanks to Ken Stines, Ricky Bates and the In-house Construction Crew.

- System Development Fee Study

On July 20, 2017 the North Carolina General Assembly signed into law N.C. General Statute 162A Article 8, which provides for the uniform authority to implement system development fees for public water and sewer systems in North Carolina. The Statute sets out the limitations and requirements that must be met prior to July 1, 2018. MSD contracted with the Raftelis Consulting Firm to perform the prescribed system development fee calculations for MSD. This report was made public on the MSD website on March 28<sup>th</sup> and Staff will bring this to both the Finance Committee on May 3<sup>rd</sup> and will provide for a public hearing to be held at the May 16<sup>th</sup> Regular Board Meeting. Here is the link to the study for your review. <http://www.msdbc.org/documents/SystemDevFeeReport.pdf>

- Public Outreach and Education

Aside from the occasional Chamber and Rotary presentations MSD hosts booths at area Expos and events. Lisa Tolley and Kay Farlow head up MSD's effort to educate the public at these events (often with the help of Jackie Bryson). These events include the Build and Remodal Expo (3000 people – 2 day event), the Live well Expo (8000 people – 1 day event), and the VA Hospital Earth day fair which will be held on April 24<sup>th</sup>. Additionally, Roger Edwards heads up the continual Plant tour effort which for 2017 conducted 50 guided tours for approximately 500 individuals from elementary school to senior citizens. The typical 2 hour tour is now part of the regular curriculum for the AB Tech Environmental Engineering program.

- Board/Committee Meetings/Events

The CIP Committee will meet April 24<sup>th</sup> at 8:30 am. The Personnel Committee will meet on April 24<sup>th</sup> at 11 am. The Finance Committee will meet on May 3<sup>rd</sup> at 9 am. The next Regular Board Meeting will be held on May 16<sup>th</sup> at 2 pm. The next Right of Way Committee meeting will be held on May 23<sup>rd</sup> at 9 am.

**Subject:** FW: MSD complaint

**Date:** Thursday, April 12, 2018 at 3:45:18 PM Eastern Daylight Time

**From:** Thomas Hartye

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**From:** Nancy Alenier <[nancyalenier@gmail.com](mailto:nancyalenier@gmail.com)>

**Date:** Friday, March 16, 2018 at 4:14 PM

**To:** "Stines, Ken" <[KenS@msdbc.org](mailto:KenS@msdbc.org)>

**Cc:** Thomas Hartye <[thartye@msdbc.org](mailto:thartye@msdbc.org)>, "Stamey, Mike" <[MikeS@msdbc.org](mailto:MikeS@msdbc.org)>, "Bates, Ricky" <[RickyB@msdbc.org](mailto:RickyB@msdbc.org)>

**Subject:** Re: MSD complaint

Mr. Stines,

Thank you so much for the prompt service! A particular shout-out to Ricky Bates for being exceptionally helpful in getting things in motion. While the crew supervisor didn't think they could make the repairs until next week, they were out at the house today and the job is done - perfectly.

Thanks again to you and the team for being so responsive.

Nancy Alenier

On Thu, Mar 15, 2018 at 2:16 PM, Stines, Ken <[KenS@msdbc.org](mailto:KenS@msdbc.org)> wrote:

Ms. Alenier

A MSD supervisor will be their shortly to address these issue's. Neighbors had a sewer stoppage last night and crews where working to relieve blockage. We will address the repairs. Sorry for inconvenience. Ken

C Kenneth Stines  
MSD of Buncombe County  
[828-225-8244](tel:828-225-8244)  
Sent from my iPhone

On Mar 15, 2018, at 2:12 PM, Hartye, Tom <[THartye@msdbc.org](mailto:THartye@msdbc.org)> wrote:

Ms. Alenier,

I will have an MSD representative follow-up with you to resolve this issue.  
Sorry for your inconvenience.

Tom Hartye

Thomas E. Hartye, PE  
General Manager  
Metropolitan Sewerage [District of Buncombe County](#)  
[2028 Riverside Drive](#)  
[Asheville, NC 28804](#)  
[828.225.8399](#)  
[Thartye@msdbc.org](mailto:Thartye@msdbc.org)

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<**From:** Nancy Alenier <[nancyalenier@gmail.com](mailto:nancyalenier@gmail.com)>

**Date:** Thursday, March 15, 2018 at 11:52 AM

**To:** Thomas Hartye <[thartye@msdbc.org](mailto:thartye@msdbc.org)>

**Subject:** MSD complaint

Mr. Hartye,

Last night (3/14), close to 11 p.m., we heard a loud truck engine idling down on Melrose Ave. Eventually, the truck came to the intersection where we live (corner of Melrose and Lynmar) to turn around, and then leave.

When I passed my front yard this morning, I noticed the following:

- Large truck tire tracks had torn up the front yard
- The truck crushed the french drain system that carries water away from the house
- The brick retaining wall had been knocked over, destroying several of the bricks and collapsing the soil, making self-repair impossible

This morning, I asked a neighbor who lives near where I heard the idling truck if he had any information. He told me that it was an MSD truck working on the sewer on Melrose at that time.

I am attaching some photos of the damage, taken after we attempted to do some repairs. Those repairs are impossible without special equipment and landscaping professionals.

I am asking that you investigate this incident and let me know how MSD intends to repair the damage.

I appreciate your prompt attention to this matter.

Nancy Alenier

[1 Lynmar Avenue \(corner](#) of Melrose and Lynmar)

Asheville, NC 28804

[\(828\) 776-2290](tel:(828)776-2290)

**RIGHT OF WAY  
COMMITTEE RECOMMENDATIONS  
AND MINUTES  
March 28, 2018**

**I. Call To Order**

The regular monthly meeting of the Right of Way Committee was held in the Boardroom of the William H. Mull Building and called to order at 9:04 a.m. on Wednesday, March 28, 2018. The following Right of Way Committee members were present: Glenn Kelly, Matt Ashley, Jackie Bryson, & Chris Pelly.

Others present were: William Clarke, MSD Counsel; Bob Watts, Board Member; Tom Hartye, PE, General Manager; Angel Banks, Ed Bradford, Hunter Carson, Darin Prosser, Wesley Banner and Pam Nolan, MSD.

**II. Inquiry as to Conflict of Interest**

Mr. Kelly inquired if anyone had a conflict of interest with Agenda items. There was none.

**III. Consideration of Condemnation–  
Old Haw Creek @ Greenbriar Road GSR, Project No. 2012109**

**Property Owner: Bisael and Carmen M. Benitz, Pin Number 9659-60-8053**

Subject parcel is improved with a single family residence located along Old Haw Creek Road in East Asheville. The existing sewer line runs along the full length of the property, and lies ten feet behind the structure. The sewer will be replaced in the same trench with the exception of a small portion in the front yard. This small portion of sewer was shifted to avoid a power pole, adding an additional manhole that the owners are not in agreement with. The engineer proposed an alignment change that would eliminate the additional manhole, however the owners have not agreed to this alignment change. The owner's other main concern is the loss of buildable area, as the proposed easement would preclude them from adding onto their deck. There were other concerns regarding fencing, trees and general restoration that MSD has made provisions for. The owners are not in agreement with the compensation (\$7,253) offered, and have not provided a counteroffer. Owners have been very slow to respond and are unwilling to move forward at this point.

Total Contacts: 13

**STAFF RECOMMENDATION: Authority to obtain appraisal and proceed with condemnations, if necessary.**

Ms. Banks presented a map and explained the location of the parcel. The existing line was installed somewhere in the mid 1960's, the house was built in 2001 and the Benitz purchased this house shortly after it was constructed. They are aware of the location of the sewerline. There is a

small (40sf) deck on the back of the house that abuts the proposed permanent easement area. Owners have concerns that they will not be able to expand this deck which they will not be permitted to do anyway due to the existing sewerline. Owners have been offered a revised alignment that they are not happy with either. Mr. Pelly stated that he sold the house to these owners in 2001 and asked if there could be some language issues, and that the husband especially had a tough time with the English language. He asked if bringing in a translator to speak to these owners had been considered. Ms. Banks stated that a translator could most certainly be offered. Mr. Banner stated that during their meeting they had a lengthy conversation regarding the additional manhole and that owners seemed to comprehend everything explained to them regarding the design restraints. Mr. Carson stated that he didn't think they had trouble understanding at all and that her concern was the additional manhole which would be in a flower bed area. Mr. Banner stated that he explained to owners that the deck was constructed small when the house was built to keep it out of the easement. Ms. Benitz stated that the proposed easement limits their ability to expand the back deck and there is really no amount of money that MSD could offer to mitigate that problem. There was some discussion regarding prescriptive easements. Mr. Ashley asked if there wasn't a fence behind the house. Mr. Carson stated yes and that fence will have to be temporarily moved in order to construct. Mr. Carson further stated that he saw no other options for a revised alignment other than the one offered. The line cannot be pushed closer to the creek as there is an approximate 6'-8' drop off between the line and the creek so it is not only difficult terrain but wetland area. Mr. Ashley asked if the easement width could be smaller to allow the deck to be expanded. Mr. Carson stated that the fence currently sits almost over the top of the pipe as it is now and if MSD did entertain a smaller easement it would have to be very minimal, and that it was going to be difficult working within 20' as it is. There was no further discussion. Mr. Kelly made the motion to accept Staff's recommendation. Mr. Pelly seconded the motion. Voice vote was unanimous.

**COMMITTEE RECOMMENDATION: Authority to obtain appraisal and proceed with condemnation, if necessary.**

**IV. Consideration of Compensation Budget –  
Thurland Avenue Sewer Extension, Project No. 2018047**

The attached Compensation Budget is based on current ad valorem tax values and follows the MSD approved formula.

**STAFF RECOMMENDATION: Approval of Compensation Budget.**

Ms. Banks explained that this project is located in the Kenilworth area and came about due to a mapping error. MSD's mapping system showed a sewer line on the map and a connection was approved for a developer. After the developer completed the spec house it was discovered that this sewerline did not exist. MSD's in-house staff constructed approximately 213 linear feet of 6'inch line to provide service. Mr. Ashley asked how quickly the line was constructed after the

problem was discovered. Mr. Bradford stated less than a month. Mr. Ashley asked if the State dictated how wide the easement has to be. Mr. Bradford stated no but they do state it has to be maintained by MSD. Clean-outs were installed through-out this line for this reason. Mr. Bradford stated that measures have been put in place to make sure this does not happen again. Ms. Banks praised Mr. Banner on his work for this project from beginning to end. There was no further discussion. Mr. Kelly made the motion to accept Staff's recommendation. Mr. Pelly seconded the motion. Voice vote was unanimous.

**COMMITTEE RECOMMENDATION: Approval of Compensation Budget.**

**V. Consideration of Revised Compensation Budget –  
Old West Chapel Road GSR, Project No. 2014004**

Easements over three parcels have been revised and three new easements have been added to the project. Original budget was \$49,819.00; revised budget is \$57,048.00.

The attached Revised Compensation Budget is based on current ad valorem tax values and follows the MSD approved formula.

**STAFF RECOMMENDATION: Approval of Revised Compensation Budget.**

Ms. Banks explained the above revised compensation budget. There was no discussion. Mr. Kelly made the motion to accept Staff's recommendation. Mr. Pelly seconded the motion. Voice vote was unanimous.

**COMMITTEE RECOMMENDATION: Approval of Revised Compensation Budget.**

**VI. Other business.**

Ms. Banks stated that she wanted to update the Committee on an issue with Blue Ridge Southern Railroad. Blue Ridge Southern purchased tracks from Norfolk Southern Railroad in 2011. These tracks run from approximately the center of Biltmore back toward Spartanburg. At approximately the same time as their purchase from Norfolk Southern, MSD was in the process of designing the Hendersonville Road @ Rosscraggon Project. Ms. Banks presented maps showing the location of these tracks in relation to this project. There were 3 railroad crossings on this project. Blue Ridge wanted a one-time fee of \$13,000.00 each for License Agreements to cover these 3 crossings. MSD felt this was too expensive due to the fact that license agreements are revocable at any time. Mr. Pelly asked what a license agreement is. Ms. Banks stated that a license agreement is basically an encroachment allowing MSD to encroach within the railroad's right-of-way. Mr. Clarke negotiated this fee down to \$5,000.00 each for these three License Agreements. They were slow to respond but good to work with. They accepted the \$5,000.00 in addition to a \$1,000.00 processing fee per crossing, for a total of \$18,000.00. They cashed the

check 5 days later. This project was then bid and awarded for construction. Staff then received an e-mail from Blue Ridge Southern stating that they would not execute the License Agreements until MSD documented all of the other crossings that we had in Buncombe County. Staff had reviewed our files for all of the old crossings with Norfolk Southern and was able to provide Blue Ridge Southern with information on 30 crossings. We were not able to find information on 35 other crossings from Norfolk Southern. Blue Ridge Southern is now wanting to charge and get License Agreements for the 35 crossings that have been in the ground for years. There were no issues with Norfolk Southern over the years over these crossings. Mr. Clarke stated that a letter was sent to Blue Ridge Southern around March 19<sup>th</sup>, stating that we were filing a Complaint for Specific Performance. They did not respond by the middle of the week so the Complaint was filed and they were sent a copy. An e-mail was received late Friday afternoon with copies of the Agreements they had signed and stating that the originals were being sent priority mail which MSD has received. They stated that they were signing the agreements with an expectation that MSD would continue to communicate with them in good faith regarding the other 35 undocumented crossings. Mr. Bradford stated that what preceded the \$13,000.00 request was that they wanted MSD to rent all crossings with fees starting at \$600.00/year and increasing every year. Mr. Kelly asked if we had license agreements with Norfolk Southern. Mr. Clarke stated that we have a number of license agreements with Norfolk Southern but none with Blue Ridge Southern. Mr. Kelly asked if we could have a prescriptive right over the crossings. Mr. Clarke stated that there was a statute that says that you cannot acquire prescriptive rights against the railroad. Mr. Clarke stated that this will be an on-going issue and he and staff will be looking at all options.

There being no further business the meeting adjourned at 9:43 am.



# Metropolitan Sewerage District of Buncombe County

## Board Action Item - Right-of-Way Committee

COMMITTEE MEETING DATE: 3/28/2018

BOARD MEETING DATE: 4/18/2018

SUBMITTED BY: Tom Hartye, PE, General Manager  
PREPARED BY: Angel Banks, Right of Way Manager  
REVIEWED BY: Ed Bradford, PE, Director of CIP

**SUBJECT: Consideration of Condemnation–  
Old Haw Creek @ Greenbriar Road GSR, Project No. 2012109**

**Property Owner: Bisael and Carmen M. Benitz, Pin Number 9659-60-8053**

Subject parcel is improved with a single family residence located along Old Haw Creek Road in East Asheville. The existing sewer line runs along the full length of the property, and lies ten feet behind the structure. The sewer will be replaced in the same trench with the exception of a small portion in the front yard. This small portion of sewer was shifted to avoid a power pole, adding an additional manhole that the owners are not in agreement with. The engineer proposed an alignment change that would eliminate the additional manhole, however the owners have not agreed to this alignment change. The owner's other main concern is the loss of buildable area, as the proposed easement would preclude them from adding onto their deck. There were other concerns regarding fencing, trees and general restoration that MSD has made provisions for. The owners are not in agreement with the compensation (\$7,253) offered, and have not provided a counteroffer. Owners have been very slow to respond and are unwilling to move forward at this point.

Total Contacts: 13

**STAFF RECOMMENDATION: Authority to obtain appraisal and proceed with condemnation, if necessary.**

Ms. Banks presented a map and explained the location of the parcel. The existing line was installed somewhere in the mid 1960's, the house was built in 2001 and the Benitz purchased this house shortly after it was constructed. They are aware of the location of the sewerline. There is a small (40sf) deck on the back of the house that abuts the proposed permanent easement area. Owners have concerns that they will not be able to expand this deck which they will not be permitted to do anyway due to the existing sewerline. Owners have been offered a revised alignment that they are not happy with either. Mr. Pelly stated that he sold the house to these owners in 2001 and asked if there could be some language issues, and that the husband especially had a tough time with the English language. He asked if bringing in a translator to speak to these owners had been considered. Ms. Banks stated that a translator could most certainly be offered. Mr. Banner stated that during their meeting they had a lengthy conversation regarding the additional manhole and that owners seemed to comprehend everything explained to

them regarding the design restraints. Mr. Carson stated that he didn't think they had trouble understanding at all and that her concern was the additional manhole which would be in a flower bed area. Mr. Banner stated that he explained to owners that the deck was constructed small when the house was built to keep it out of the easement. Ms. Benitz stated that the proposed easement limits their ability to expand the back deck and there is really no amount of money that MSD could offer to mitigate that problem. There was some discussion regarding prescriptive easements. Mr. Ashley asked if there wasn't a fence behind the house. Mr. Carson stated yes and that fence will have to be temporarily moved in order to construct. Mr. Carson further stated that he saw no other options for a revised alignment other than the one offered. The line cannot be pushed closer to the creek as there is an approximate 6'-8' drop off between the line and the creek so it is not only difficult terrain but wetland area. Mr. Ashley asked if the easement width could be smaller to allow the deck to be expanded. Mr. Carson stated that the fence currently sits almost over the top of the pipe as it is now and if MSD did entertain a smaller easement it would have to be very minimal, and that it was going to be difficult working within 20' as it is. There was no further discussion. Mr. Kelly made the motion to accept Staff's recommendation. Mr. Pelly seconded the motion. Voice vote was unanimous.

**COMMITTEE RECOMMENDATION: Authority to obtain appraisal and proceed with condemnation, if necessary.**

# Metropolitan Sewerage District of Buncombe County

## Board Action Item - Right-of-Way Committee

COMMITTEE MEETING DATE: 3/28/2018

BOARD MEETING DATE: 4/18/2018

SUBMITTED BY: Tom Hartye, PE, General Manager  
PREPARED BY: Angel Banks, Right of Way Manager  
REVIEWED BY: Ed Bradford, PE, Director of CIP

**SUBJECT: Consideration of Compensation Budget –  
Thurland Avenue Sewer Extension, Project No. 2018047**

The attached Compensation Budget is based on current ad valorem tax values and follows the MSD approved formula.

### **STAFF RECOMMENDATION: Approval of Compensation Budget.**

Ms. Banks explained that this project is located in the Kenilworth area and came about due to a mapping error. MSD's mapping system showed a sewer line on the map and a connection was approved for a developer. After the developer completed the spec house it was discovered that this sewerline did not exist. MSD's in-house staff constructed approximately 213 linear feet of 6'inch line to provide service. Mr. Ashley asked how quickly the line was constructed after the problem was discovered. Mr. Bradford stated less than a month. Mr. Ashley asked if the State dictated how wide the easement has to be. Mr. Bradford stated no but they do state it has to be maintained by MSD. Clean-outs were installed through-out this line for this reason. Mr. Bradford stated that measures have been put in place to make sure this does not happen again. Ms. Banks praised Mr. Banner on his work for this project from beginning to end. There was no further discussion. Mr. Kelly made the motion to accept Staff's recommendation. Mr. Pelly seconded the motion. Voice vote was unanimous.

### **COMMITTEE RECOMMENDATION: Approval of Compensation Budget.**

# Thurland Avenue Sewer Extension

Project Number: 2018047

250181

## Compensation Budget

21-Mar-18

Pin Number and Name		Acres	Parcel SF	Land Value	LV/SF	Net PE SF	PE Assd. Value	50% PE Assd. Value	TCE SF	TCE Assd. Value	10% Annl Return	Proj Time	TCE Rent Value	Total Comp. (Rounded)		
27 Pin	83 Pin															
	9648740679	Beucatcher Heights Devel	1.01	43,995.60	\$206,200.00	\$4.69	1,625.43	\$7,623.27	\$3,811.63	0.00	\$0.00	\$0.00	0	\$0.00	\$3,812	
	9648648825	Green Earth Development	0.28	12,196.80	\$45,500.00	\$3.73	505.65	\$1,886.07	\$943.04	0.00	\$0.00	\$0.00	0	\$0.00	\$943	
	9648648771	Pennington	Joan	0.22	9,583.20	\$1,900.00	\$0.20	73.00	\$14.60	\$7.30	0.00	\$0.00	\$0.00	0	\$0.00	\$7
<b>TOTALS:</b>													\$4,762			
<b>Staff Contingency:</b>													\$5,000			
<b>GM's Contingency</b>													\$5,000			
<b>Amendment</b>																
<b>Total Budget:</b>													\$14,762			

Metropolitan Sewerage District of Buncombe County  
**Board Action Item - Right-of-Way Committee**

COMMITTEE MEETING DATE: 3/28/2018

BOARD MEETING DATE: 4/18/2018

SUBMITTED BY: Tom Hartye, PE, General Manager  
PREPARED BY: Angel Banks, Right of Way Manager  
REVIEWED BY: Ed Bradford, PE, Director of CIP

**SUBJECT: Consideration of Revised Compensation Budget –  
Old West Chapel Road GSR, Project No. 2014004**

Easements over three parcels have been revised and three new easements have been added to the project. Original budget was \$49,819.00; revised budget is \$57,048.00.

The attached Revised Compensation Budget is based on current ad valorem tax values and follows the MSD approved formula.

**STAFF RECOMMENDATION: Approval of Revised Compensation Budget.**

Ms. Banks explained the above revised compensation budget. There was no discussion. Mr. Kelly made the motion to accept Staff's recommendation. Mr. Pelly seconded the motion. Voice vote was unanimous.

**COMMITTEE RECOMMENDATION: Approval of Revised Compensation Budget.**

# Old West Chapel Road GSR (Revised)

Project Number: 2014004

## Compensation Budget

08-Mar-18

Pin Number and Name		Acres	Parcel SF	Land Value	LV/SF	Net PE SF	PE Assd. Value	50% PE Assd. Value	TCE SF	TCE Assd. Value	10% Annl Return	Proj Time	TCE Rent Value	Total Comp. (Rounded)	
27 Pin	83 Pin														
9657563487	Ahearn	Kati	0.61	26,571.60	\$41,500.00	\$1.56	2,833.45	\$4,420.18	\$2,210.09	1,594.28	\$2,487.08	\$248.71	5	\$103.63	\$2,314
9657463875	Amarx Construction LLC		3.30	143,748.00	\$90,000.00	\$0.63	2,198.32	\$1,384.94	\$692.47	3,217.82	\$2,027.23	\$202.72	5	\$84.47	\$777
9657577093	American Eagle Investment		0.37	16,117.20	\$54,200.00	\$3.36	882.45	\$2,965.03	\$1,482.52	1,613.06	\$5,419.88	\$541.99	5	\$225.83	\$1,708
9657577194	American Eagle Investment		0.37	16,117.20	\$54,200.00	\$3.36	99.90	\$335.66	\$167.83	141.23	\$474.53	\$47.45	5	\$19.77	\$188
9657655592	Bellwether Builders Inc.		0.25	10,890.00	\$36,700.00	\$3.37	3,109.15	\$10,477.84	\$5,238.92	1,615.83	\$5,445.35	\$544.53	5	\$226.89	\$5,466
9657655735	Bryant	Eric	0.35	15,246.00	\$36,700.00	\$2.41	2,244.35	\$5,408.88	\$2,704.44	3,045.61	\$7,339.92	\$733.99	5	\$305.83	\$3,010
9657568903	Cassada	Jeffrey	0.31	13,503.60	\$52,900.00	\$3.92	546.16	\$2,140.95	\$1,070.47	735.00	\$2,881.20	\$288.12	5	\$120.05	\$1,191
9657566851	Dorsten	Jeffrey	0.29	12,632.40	\$52,400.00	\$4.15	836.36	\$3,470.89	\$1,735.45	0.00	\$0.00	\$0.00	5	\$0.00	\$1,735
9657568805	Ferrari	Eli	0.29	12,632.40	\$52,400.00	\$4.15	852.66	\$3,538.54	\$1,769.27	1,290.09	\$5,353.87	\$535.39	5	\$223.08	\$1,992
9657655485	Fong	Sammy	0.17	7,405.20	\$34,800.00	\$4.70	0.00	\$0.00	\$0.00	716.59	\$3,367.97	\$336.80	5	\$140.33	\$140
9657563500	Harris	Rachel	0.55	23,958.00	\$40,900.00	\$1.71	2,826.81	\$4,833.85	\$2,416.92	1,545.67	\$2,643.10	\$264.31	5	\$110.13	\$2,527
9657567774	Hatfield	Cynthia	0.20	8,712.00	\$35,600.00	\$4.09	1,023.63	\$4,186.65	\$2,093.32	0.00	\$0.00	\$0.00	5	\$0.00	\$2,093
9657650190	Highland Property Group L		4.21	183,387.60	\$219,100.00	\$1.19	4,920.24	\$5,855.09	\$2,927.54	5,445.96	\$6,480.69	\$648.07	5	\$270.03	\$3,198
9657563284	Hudgins	Robert	0.57	24,829.20	\$57,500.00	\$2.32	0.00	\$0.00	\$0.00	1,187.50	\$2,755.00	\$275.50	5	\$114.79	\$115
9657560539	Huxley III	William	0.23	10,018.80	\$50,700.00	\$5.06	0.00	\$0.00	\$0.00	900.00	\$4,554.00	\$455.40	5	\$189.75	\$190
9657576045	Laughter	John	0.62	27,007.20	\$58,200.00	\$2.16	1,576.07	\$3,404.31	\$1,702.16	1,568.22	\$3,387.36	\$338.74	5	\$141.14	\$1,843
9657655692	Rhodes Jr.	William	0.22	9,583.20	\$34,400.00	\$3.59	3,014.31	\$10,821.37	\$5,410.69	2,231.14	\$8,009.79	\$800.98	5	\$333.74	\$5,744
9657656578	Rhodes Jr.	William	0.88	38,332.80	\$43,600.00	\$1.14	159.20	\$181.49	\$90.74	2,403.65	\$2,740.16	\$274.02	5	\$114.17	\$205
9657468801	Toms Revocable Trust	Margaret	0.32	13,939.20	\$53,100.00	\$3.81	219.75	\$837.25	\$418.62	310.78	\$1,184.07	\$118.41	5	\$49.34	\$468
9657566782	Watson	Eddie	0.18	7,840.80	\$35,000.00	\$4.46	961.33	\$4,287.53	\$2,143.77	0.00	\$0.00	\$0.00	5	\$0.00	\$2,144

<b>TOTALS:</b>	<b>\$37,048</b>
<b>Staff Contingency:</b>	<b>\$10,000</b>
<b>GM's Contingency</b>	<b>\$10,000</b>
<b>Amendment</b>	
<b>Total Budget:</b>	<b>\$57,048</b>

# Metropolitan Sewerage District of Buncombe County

## BOARD ACTION ITEM

**BOARD MEETING DATE:** April 18, 2018

**SUBMITTED BY:** Tom Hartye, P.E. - General Manager

**PREPARED BY:** Ed Bradford, P.E. - Director of Engineering  
Shaun Armistead, P.E. - Project Manager  
Owen Herbert, P.E. - Project Manager

**SUBJECT:** Consideration of Bids for Sanitary Sewer Rehabilitation Projects:

- 1) Patton Hill Road Four-inch Main, MSD Project No. 2016100
- 2) School Road @ Cranford Road, MSD Project No. 2014184
- 3) Sheppard Drive, MSD Project No. 2014152

**BACKGROUND:** This is a grouping of three smaller projects under one contract. Patton Hill Road is located in Swannanoa, while School Road and Sheppard Drive are both located in West Asheville.

The existing lines on the three projects are 4-inch to 6-inch Vitrified Clay and PVC pipes in poor condition. This has caused a history of backups due to root intrusion and pipe defects. Pipe Ratings for each of the three projects are high due to these problems: Patton Hill - 87, School Rd - 61, and Sheppard Drive - 71.

The three projects combined length total 1,533 LF of 8-inch ductile iron pipe and 8-inch HDPE pipe.

The contract was first advertised informally. The bids exceeded \$500,000; therefore, the contract was advertised formally due to state bidding requirements. Two formal bids were then received on March 27, 2018; therefore, the contract was readvertised and two bids were received on Thursday April 5, 2018 as follows:

<u>Contractor</u>	<u>Bid Amount</u>
1) Terry Brothers Const. Co.	\$508,267.60
<b>2) Fuller &amp; Company Const., LLC</b>	<b>\$500,616.34</b>

The apparent low bidder is Fuller & Company Construction, LLC with a bid amount of \$500,616.34. Fuller & Company have not previously worked for the District; therefore, staff checked multiple references. The references were highly complementary of Fuller & Company's work, and stated that they would not hesitate to hire them again. Staff therefore recommends award to them.

Please refer to the attached documentation for further details, including the reference check.

**FISCAL IMPACT:** The combined FY17-18 Construction Budgets for the three projects is \$495,940.00. Sufficient funds are available in the Contingency for the overage.

**STAFF RECOMMENDATION:** Staff recommends award of this contract to Fuller & Company Construction, LLC in the amount of \$500,616.34, subject to review and approval by District Counsel.



**METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, NORTH CAROLINA**

**SEWER REHABILITATION PROJECTS**

**Patton Hill Road (Four Inch Main), Project No. 2016100**

**School Road @ Cranford Road, Project No. 2014184**

**Sheppard Drive, Project No. 2014152**

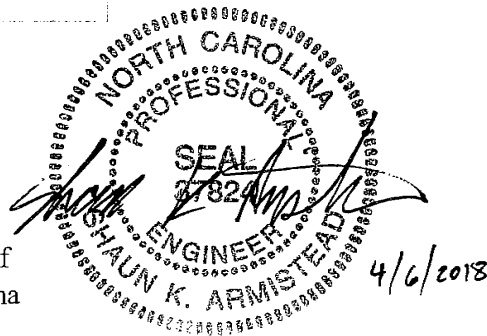
**BID TABULATION**

**April 5, 2018**

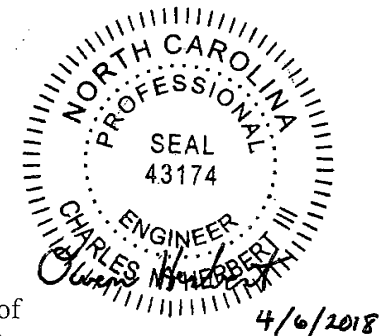
<b>BIDDER</b>	<b>Bid Bond</b>	<b>MBE Form</b>	<b>Bid Forms (Proposal)</b>	<b>Patton Hill Road</b>	<b>School Road @ Cranford Road</b>	<b>Sheppard Drive</b>	<b>Combined Total Bid Amount</b>
Terry Brothers Construction Company Leicester, NC	5%	1	Yes	\$ 247,410.00	\$ 118,317.00	\$ 142,540.60	\$ 508,267.60
<b>Fuller &amp; Company Construction, LLC</b> Bessemer City, NC	5%	1	Yes	<b>\$ 227,415.11</b>	<b>\$ 116,949.44</b>	<b>\$ 156,251.79</b>	<b>\$ 500,616.34</b>

**APPARENT LOW BIDDER**

Shaun A. Armistead, PE  
Project Engineer  
Metropolitan Sewerage District of  
Buncombe County, North Carolina



Charles N. Herbert, III, PE  
Project Engineer  
Metropolitan Sewerage District of  
Buncombe County, North Carolina



This is to certify that the bids tabulated herein were publicly opened and read aloud at 2:00 p.m. on the 5th day of April, 2018, in the W.H. Mull Building at the Metropolitan Sewerage District of Buncombe County, Asheville, North Carolina, and that said bids were accompanied by acceptable bidders bonds in the amount of 5% of the bid. These projects were originally scheduled to bid as formal on March 27th. Only two bids were received; therefore the projects were re-advertised and bids were opened on April 5th.

# Interoffice Memorandum

**TO:** Tom Hartye, General Manager

**FROM:** Ed Bradford, Director of Engineering  
Shaun Armistead, Project Manager  
Owen Herbert, Project Manager

**DATE:** April 6, 2018

**RE:** Patton Hill Road Four-inch Main, MSD Project No. 2016100  
School Road. @ Cranford Rd., MSD Project No. 2014184  
Sheppard Drive, MSD Project No. 2014152

This contract will encompass three rehabilitation projects: Patton Hill Rd (Four Inch Main), located in Swannanoa near the intersection of Patton Hill Rd and Old US 70 Hwy; School Rd @ Cranford Rd, located in West Asheville near the intersection for which the project is named; and Sheppard Drive, located in West Asheville near the intersection of Old County Home Rd and New Leicester Hwy.

The existing lines are 4 to 6-inch vitrified clay and PVC pipes in poor condition with a history of backups due to root intrusion and pipe defects. Pipe Ratings for each of the three projects are 87 (Patton Hill), 61 (School Rd), and 71 (Sheppard).

The three projects total 1144 LF of 8-inch ductile iron pipe and 389 LF of 8-inch HDPE pipe.

The contract was first advertised informally, but the bids were all over \$500,000; therefore the project was advertised formally due to state bidding requirements. Formal bids were scheduled to be opened on March 27, 2018; however, only two bids were received. The contract was therefore readvertised, and two bids were received on Thursday, April 5, 2018, as follows:

<u>Contractor</u>	<u>Bid</u>
1) Terry Brothers Construction Company	\$508,267.60
<b>2) Fuller &amp; Company Construction, LLC</b>	<b>\$500,616.34</b>

The combined construction budgets for this contract total \$495,940.00. Bid amounts were higher than expected due to rising construction costs between FY17 and FY18, notably in pipe and manhole costs.

Fuller and Company Construction, LLC is the apparent low bidder for this contract with a bid amount of \$500,616.34. Fuller and Company Construction, LLC, is a new contractor to the CIP Division, and as such, staff conducted a reference review (see attached). References came back positive. Staff recommends award of this contract to Fuller and Company Construction, LLC, contingent upon review and approval by District Counsel.

**Supplemental Reference Check for Fuller & Company Construction, LLC  
MSD Project Nos. 2016100, 2014184, & 2014152  
April 2018**

**Union County Public Works (UCPW), Monroe, NC**

**Waterline Replacement (2016-present) - \$566,000**

Neal Gaston (UCPW Project Manager) stated that they undergo galvanized line replacement/smaller diameter rehab every year and Fuller construction has completed 6 of these annual jobs for them. UCPW are currently in the midst of finishing 9,500 LF of a waterline replacement project with Fuller Construction and have been "very pleased with their work", had no issues with completing the job on-schedule, and were very responsive to both UCPW and the residents in the neighborhoods. Mr. Gaston stated that he would give them 10 out of 10 on the quality of work performed and highly recommend them for future work.

**Rutherford College, NC**

**Waterline Replacement (2017-present) - \$464,700**

John Leger (Rutherford College Inspector) stated that they are currently closing out a 7,400LF of 2-inch to 6-inch waterline replacement project with Fuller Construction and that they have "done a good job". They completed the project ahead of schedule, on-budget, and without any excessive change orders despite working through some "bitterly cold and nasty weather". Mr. Leger stated that they have performed high quality work, were very responsive to requests or issues, and would recommend them for future projects.

**Kings Mountain Public Works (KMPW), City of Kings Mountain, NC**

**Long Branch Sewer Force Main (2017-present) - \$980,000**

Bob Gallien (Joel Wood and Associates Inspector) was a subcontractor for KMPW to specifically inspect Fuller Construction's installation of 10,000 LF of 12-inch PVC/DIP sewer force main, to include 5 encased road bores and 300LF of HDD Bore under a creek. He said he would "use them again in a heartbeat" and that KMPW would love to have them come back to work for them. Mr. Gallien said Mr. Fuller was always accessible on the job or phone and had crews that "always showed up", "had good equipment" and were "very conscientious about their work". He explained that they were extremely happy how Fuller Construction compacted, finished grading, and landscaped every part of the trench they disturbed each day and would sweep up behind themselves as pipe was being laid. Mr. Gallien mentioned there were no change orders on the job and they finished on budget, on schedule and performed very high quality work.

**Metropolitan Sewerage District of Buncombe County, North Carolina  
CAPITAL IMPROVEMENT PROGRAM**

**BUDGET DATA SHEET - FY 2017 - 2018**

<b>PROJECT:</b>	<b>Four Inch Main - Patton Hill Rd.</b>	<b>LOCATION:</b>	<b>Swannanoa</b>
<b>TYPE:</b>	<b>General Sewer Rehab.</b>	<b>PIPE RATING:</b>	<b>87</b>
<b>PROJECT NO.</b>	<b>2016100</b>	<b>TOTAL LF:</b>	<b>600</b>
<b>PROJECT BUDGET:</b>	<b>\$247,500.00</b>	<b>PROJECT ORIGIN:</b>	<b>Work Orders, Line Size and Condition</b>

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/16	EST. COST JAN - JUNE 2017	BUDGET FY 17-18
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN	\$2,500.00			\$2,500.00
55330 - DESIGN				
55340 - PERMITS	\$500.00			\$500.00
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS				
55370 - LEGAL FEES				
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION				
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$242,000.00			\$242,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING	\$1,000.00			\$1,000.00
55450 - SURVEY - ASBUILT	\$1,500.00			\$1,500.00
<b>TOTAL AMOUNT</b>	<b>\$247,500.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$247,500.00</b>

<b>ENGINEER:</b>	MSD	<b>OH</b>	<b>ESTIMATED BUDGETS - FY '19 -'27</b>	
<b>R.O.W. ACQUISITION:</b>	MSD	<b># PLATS: [ 0 ]</b>	FY 18-19	\$0.00
<b>CONTRACTOR:</b>	TBD		FY 19-20	\$0.00
<b>CONSTRUCTION ADM:</b>	MSD		FY 20-21	\$0.00
<b>INSPECTION:</b>	MSD		FY 21-22	\$0.00
			FY 22-23	\$0.00
			FY 23-24	\$0.00
<b>PROJECT DESCRIPTION:</b> This Four Inch Main project is located in East Asheville at the intersection of Old US-70 Hwy. and Patton Hill Rd. It consists of replacing approximately 600 LF of 4-inch orangeburg and soil pipe with 8-inch DIP.			FY 24-25	\$0.00
			FY 25-26	\$0.00
			FY 26-27	\$0.00

**SPECIAL PROJECT NOTES:**





**Four Inch Main - Patton Hill Road  
Project No. 2016100**

NOT TO SCALE



**METROPOLITAN SEWERAGE DISTRICT**  
of  
BUNCOMBE COUNTY, NORTH CAROLINA

**Budget Map**

**Metropolitan Sewerage District of Buncombe County, North Carolina  
CAPITAL IMPROVEMENT PROGRAM**

**BUDGET DATA SHEET - FY 2017 - 2018**

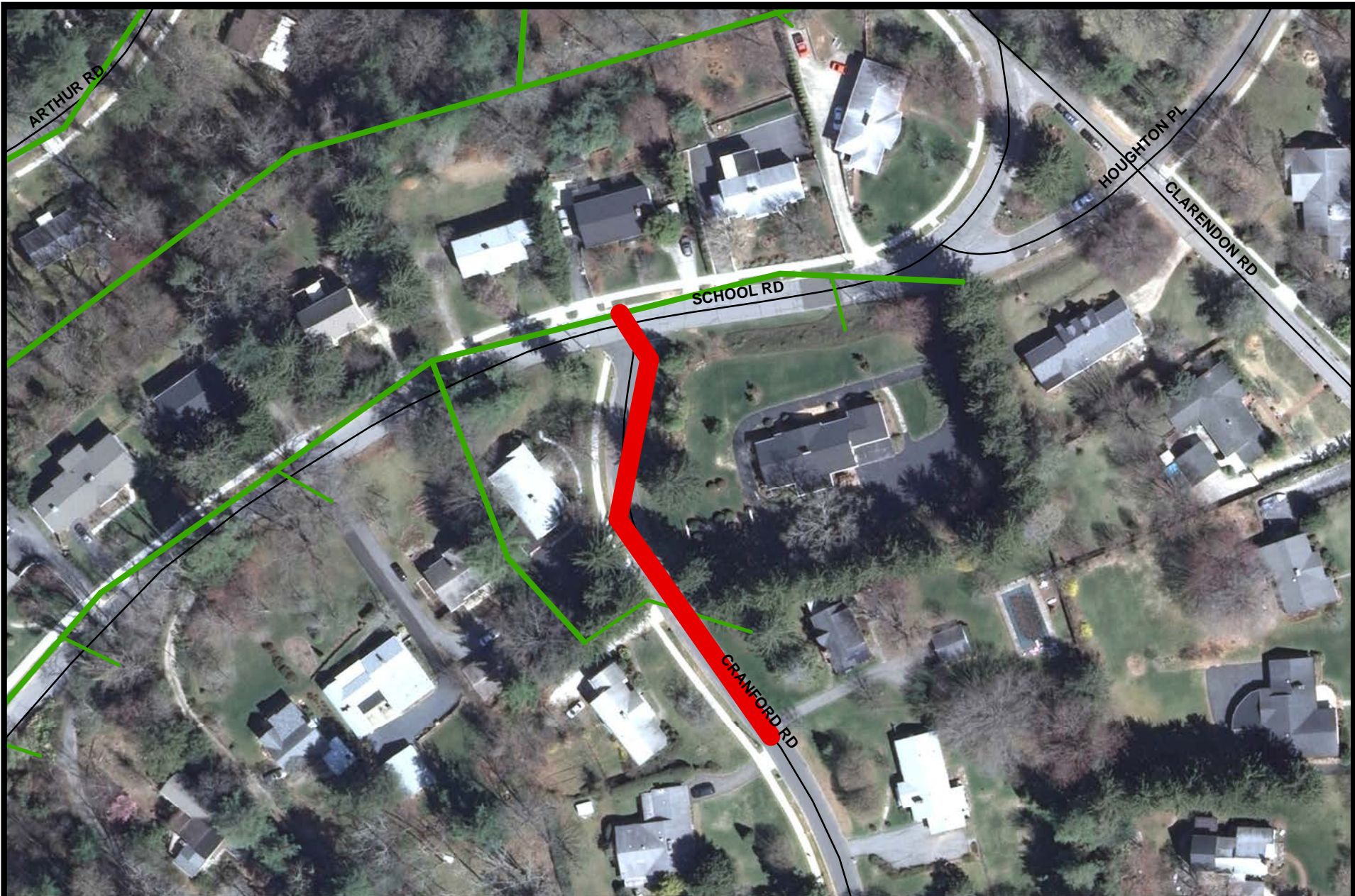
<b>PROJECT:</b>	School Rd. @ Cranford Rd.	<b>LOCATION:</b>	W. Asheville
<b>TYPE:</b>	General Sewer Rehab.	<b>PIPE RATING:</b>	61
<b>PROJECT NO.</b>	2014184	<b>TOTAL LF:</b>	361
<b>PROJECT BUDGET:</b>	\$112,000.00	<b>PROJECT ORIGIN:</b>	SSO's; Work orders; Line condition

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/16	EST. COST JAN - JUNE 2017	BUDGET FY 17-18
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN				
55330 - DESIGN				
55340 - PERMITS	\$500.00		\$500.00	
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS				
55370 - LEGAL FEES				
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION				
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$110,000.00			\$110,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING	\$1,000.00			\$1,000.00
55450 - SURVEY - ASBUILT	\$500.00			\$500.00
<b>TOTAL AMOUNT</b>	<b>\$112,000.00</b>	<b>\$0.00</b>	<b>\$500.00</b>	<b>\$111,500.00</b>

<b>ENGINEER:</b>	MSD	<b>SA</b>	<b>ESTIMATED BUDGETS - FY '19 -'27</b>	
<b>R.O.W. ACQUISITION:</b>	N/A	<b># PLATS: [ 0 ]</b>	FY 18-19	\$0.00
<b>CONTRACTOR:</b>			FY 19-20	\$0.00
<b>CONSTRUCTION ADM:</b>	MSD		FY 20-21	\$0.00
<b>INSPECTION:</b>	MSD		FY 21-22	\$0.00
			FY 22-23	\$0.00
			FY 23-24	\$0.00
<b>PROJECT DESCRIPTION:</b> This project is located in West Asheville between Patton Ave. and Sand Hill Rd. and is comprised of 361 LF of 8-inch ductile iron pipe. The existing line is 6-inch PVC pipe that is full of roots, bends, and structural defects. Backups in this line have resulted in a flooded house.			FY 24-25	\$0.00
			FY 25-26	\$0.00
			FY 26-27	\$0.00

**SPECIAL PROJECT NOTES:**





**School Road at Cranford Road  
Project No. 2014184**

NOT TO SCALE



**METROPOLITAN SEWERAGE DISTRICT**  
of  
BUNCOMBE COUNTY, NORTH CAROLINA

**Budget Map**

**Metropolitan Sewerage District of Buncombe County, North Carolina  
CAPITAL IMPROVEMENT PROGRAM**

**BUDGET DATA SHEET - FY 2017 - 2018**

<b>PROJECT:</b> Sheppard Drive	<b>LOCATION:</b> W. Asheville
<b>TYPE:</b> General Sewer Rehab.	<b>PIPE RATING:</b> 71
<b>PROJECT NO.:</b> 2014152	<b>TOTAL LF:</b> 570
<b>PROJECT BUDGET:</b> \$151,450.00	<b>PROJECT ORIGIN:</b> SSO's; Access; Line condition

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/16	EST. COST JAN - JUNE 2017	BUDGET FY 17-18
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN	\$1,580.00	\$1,580.00		
55330 - DESIGN				
55340 - PERMITS				
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS	\$580.00	\$580.00		
55370 - LEGAL FEES	\$1,000.00	\$870.00	\$130.00	
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION	\$2,500.00		\$2,500.00	
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$143,940.00			\$143,940.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING	\$1,000.00			\$1,000.00
55450 - SURVEY - ASBUILT	\$850.00			\$850.00
<b>TOTAL AMOUNT</b>	<b>\$151,450.00</b>	<b>\$3,030.00</b>	<b>\$2,630.00</b>	<b>\$145,790.00</b>

<b>ENGINEER:</b> MSD	<b>OH</b>	<b>ESTIMATED BUDGETS - FY '19 -'27</b>	
<b>R.O.W. ACQUISITION:</b> MSD	<b># PLATS:</b> [ 1 ]	<b>FY 18-19</b>	\$0.00
<b>CONTRACTOR:</b>		<b>FY 19-20</b>	\$0.00
<b>CONSTRUCTION ADM:</b> MSD		<b>FY 20-21</b>	\$0.00
<b>INSPECTION:</b> MSD		<b>FY 21-22</b>	\$0.00
		<b>FY 22-23</b>	\$0.00
		<b>FY 23-24</b>	\$0.00
<b>PROJECT DESCRIPTION:</b> This project is located at 45 Sheppard Dr. in West Asheville, close to the intersection of Old County Home Rd. and New Leicester Hwy. The project includes replacing approximately 570 LF of existing 6-inch VCP with 8-inch DIP. The existing line has structural defects and has experienced numerous backups due to root intrusion.		<b>FY 24-25</b>	\$0.00
		<b>FY 25-26</b>	\$0.00
		<b>FY 26-27</b>	\$0.00

**SPECIAL PROJECT NOTES:**





**Sheppard Drive  
Project No. 2014152**

NOT TO SCALE



**METROPOLITAN SEWERAGE DISTRICT**  
of  
BUNCOMBE COUNTY, NORTH CAROLINA

**Budget Map**

# Metropolitan Sewerage District of Buncombe County

## BOARD ACTION ITEM

**Meeting Date:** April 18, 2018

**Submitted By:** Thomas E. Hartye, PE., General Manager

**Prepared By:** W. Scott Powell, CLGFO, Director of Finance

**Subject:** Consideration of Insurance Fund Budget Amendment

### **Background**

To be in compliance with North Carolina General Statutes, all expenditures must be included in the governing body's adopted annual balanced budget ordinance. In the event, unforeseen expenditures occur which exceed the adopted amount, a budget amendment resolution must be approved by the governing body. The proposed budget amendment resolution identifies the nature of the expenditure as well as the source of funding.

### **Discussion**

In the current fiscal year, the District has incurred higher than expected general liability claims. As such, staff recommends amending the financial plan of the Insurance Fund in the amount of \$300,000. This amount will cover existing claims as well as potential claims for the remainder of the fiscal year. Funds for this amendment will be appropriated out of the Insurance Funds Reserves.

### **Fiscal Impact**

The District has operating reserves/net position equivalent to one year's operating expenses. Reserves would decrease in the amount of \$300,000 but would remain within acceptable levels.

### **Staff Recommendation**

Staff recommends the approval of the attached Budget Amendment Resolution.

#### **Action Taken**

**Motion by:**

**Second by:**

**Other:**

**Follow-up required:**

**Person responsible:**

to

Approve

Table

Disapprove

Send to Committee

**Deadline:**

**BUDGET AMENDMENT RESOLUTION  
FOR THE  
METROPOLITAN SEWERAGE DISTRICT  
OF BUNCOMBE COUNTY, NORTH CAROLINA**

**WHEREAS**, the Metropolitan Sewerage District of Buncombe County, North Carolina (the "Issuer") is a body politic and corporate organized and existing under the laws of the State of North Carolina; and

**WHEREAS**, the General Manager and Finance Director recommend and the District Board now desires to amend the FY2017-FY2018 financial plan of the Insurance Funds outlined below.

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD AS FOLLOWS:**

Section 1. The Board hereby adopts the amendment to the financial plan of the Insurance Funds listed below.

Operating Expenditures	<u>\$300,000</u>
------------------------	------------------

It is estimated that the following will be available in the Insurance Funds:

Appropriated Net Position	<u>\$300,000</u>
---------------------------	------------------

Section 2. That this resolution shall be entered in the minutes of the District within five (5) days after its adoption, copies thereof are ordered to be filed with the Finance and Budget Officer and Secretary of the Board as required by G. S. 159-13(d).

**PASSED AND ADOPTED this 18<sup>th</sup> day of April, 2018**

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M. Jerry VeHaun  
Chairman of the Board

Attested to:

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Jackie W. Bryson, Secretary/Treasurer



# Metropolitan Sewerage District of Buncombe County

## BOARD INFORMATIONAL ITEM

**Meeting Date:** April 18, 2018

**Submitted By:** Thomas E. Hartye, PE., General Manager

**Prepared By:** W. Scott Powell, CLGFO, Director of Finance  
Cheryl Rice, Accounting Manager

**Subject:** Cash Commitment/Investment Report-Month Ended February 28, 2018

### **Background**

Each month, staff presents to the Board an investment report for all monies in bank accounts and specific investment instruments. The total investments as of February 28, 2018 were \$79,681,772. The detailed listing of accounts is available upon request. The average rate of return for all investments is 0.991%. These investments comply with North Carolina General Statutes, Board written investment policies, and the District's Bond Order.

The attached investment report represents cash and cash equivalents as of February 28, 2018 do not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of February 28, 2018 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is \$43,902,670.

<b>Total Cash &amp; Investments as of 02/28/2018</b>		79,681,772
<b>Less:</b>		
Budgeted Commitments (Required to pay remaining FY18 budgeted expenditures from unrestricted cash)		
Construction Funds	(17,269,981)	
Operations & Maintenance Fund	<u>(6,514,816)</u>	
		(23,784,797)
Bond Restricted Funds		
Bond Service (Funds held by trustee):		
Funds in Principal & Interest Accounts	(32,464)	
FY18 Principal & Interest Due	<u>(6,548,701)</u>	
		(6,581,165)
District Reserve Funds		
Fleet Replacement	(674,771)	
Pump Replacement	(38,045)	
WWTP Replacement	(427,837)	
Maintenance Reserve	<u>(967,213)</u>	
		(2,107,866)
District Insurance Funds		
General Liability	(407,361)	
Worker's Compensation	(291,159)	
Post-Retirement Benefit	(1,740,174)	
Self-Funded Employee Medical	<u>(866,580)</u>	
		(3,305,274)
<b>Designated for Capital Outlay</b>		<u><u>43,902,670</u></u>

### **Staff Recommendation**

None. Information Only.

#### **Action Taken**

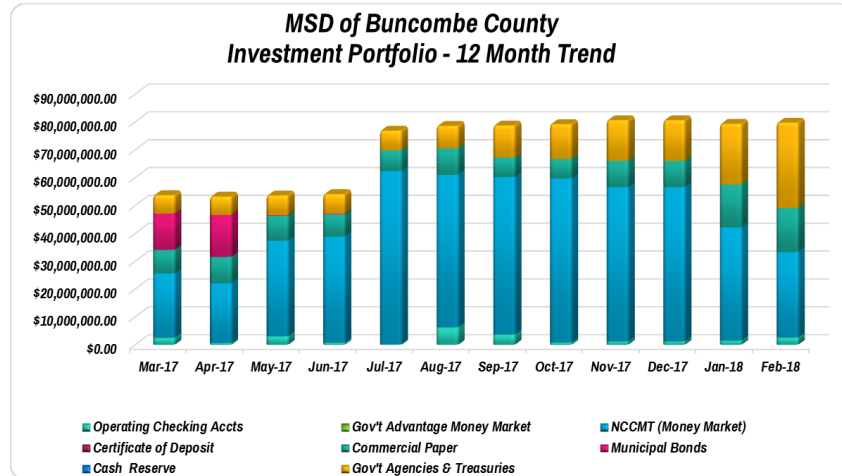
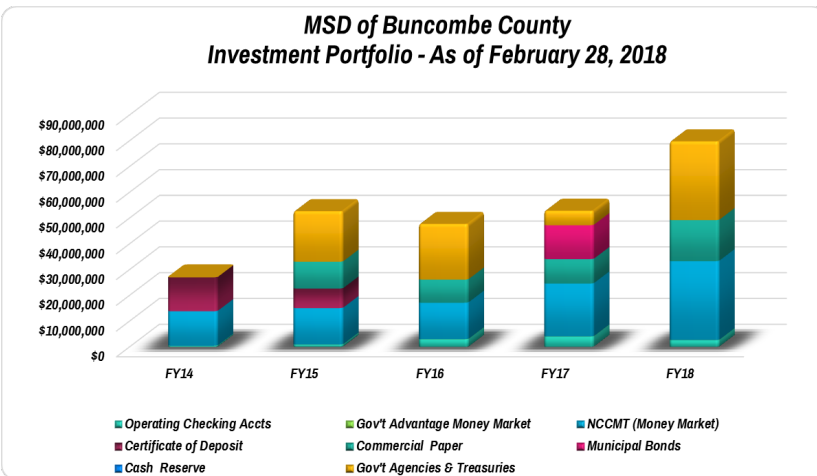
Motion by:	to Approve	Disapprove
Second by:	Table	Send to Committee
Other:		
Follow-up Required:	Person Required:	Deadline:

## Metropolitan Sewerage District of Buncombe County Investment Portfolio

**Board Meeting:** April 18, 2018  
**Subject:** Cash Commitment/Investment Report-Month Ended February 28, 2018  
**Page -2-**

	Operating Checking Accounts	Gov't Advantage Money Market	NCCMT (Money Market)	Certificate of Deposit	Commercial Paper	Municipal Bonds	Cash Reserve	Gov't Agencies & Treasuries	Total
Held with Bond Trustee	\$ -	\$ -	\$ 4,918,265	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,918,265
Held by MSD	2,557,430	46,676	25,757,453	-	15,927,222	-	-	30,474,726	74,763,507
	\$ 2,557,430	\$ 46,676	\$ 30,675,718	\$ -	\$ 15,927,222	\$ -	\$ -	\$ 30,474,726	\$ 79,681,772

Investment Policy Asset Allocation	Maximum Percent	Actual Percent	
U.S. Government Treasuries, Agencies and Instrumentalities	100%	38.25%	No significant changes in the investment portfolio as to makeup or total amount.
Bankers' Acceptances	20%	0.00%	
Certificates of Deposit	100%	0.00%	The District's YTM of 1.50% is exceeding the YTM benchmark of the NCCMT Government Portfolio.
Commercial Paper	20%	19.99%	
Municipal Bonds	100%	0.00%	
North Carolina Capital Management Trust	100%	38.50%	
Checking Accounts:	100%		All funds invested in CD's, operating checking accounts, Gov't Advantage money market are fully collateralized with the State Treasurer.
Operating Checking Accounts		3.21%	
Gov't Advantage Money Market		0.06%	



**Board Meeting:** April 18, 2018

**Subject:** Cash Commitment/Investment Report-Month Ended February 28, 2018

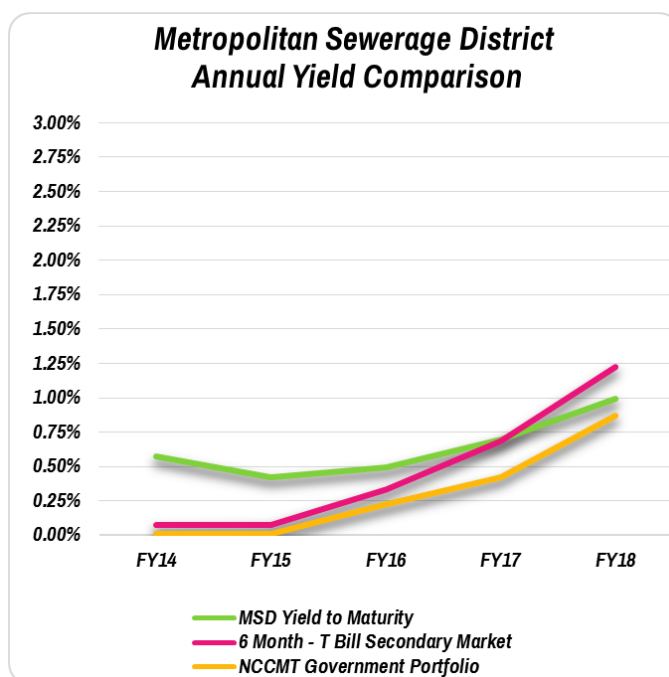
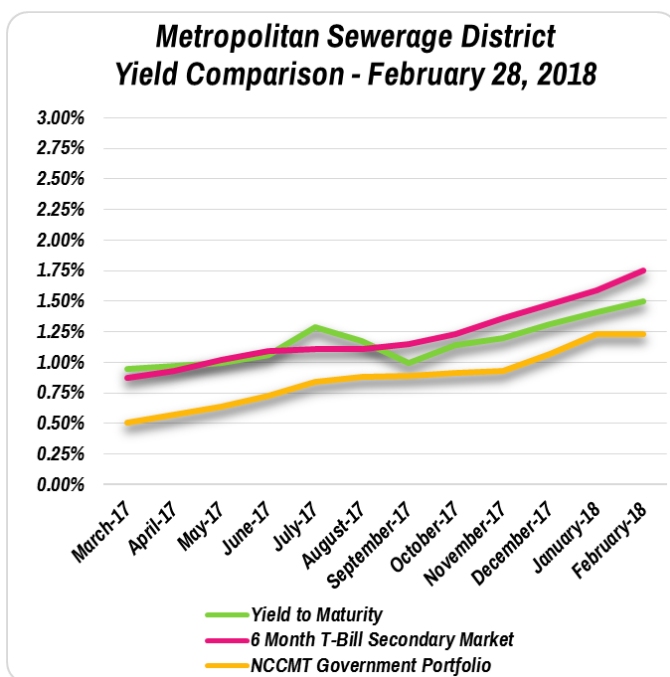
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**METROPOLITAN SEWERAGE DISTRICT  
INVESTMENT MANAGERS' REPORT  
At February 28, 2018**

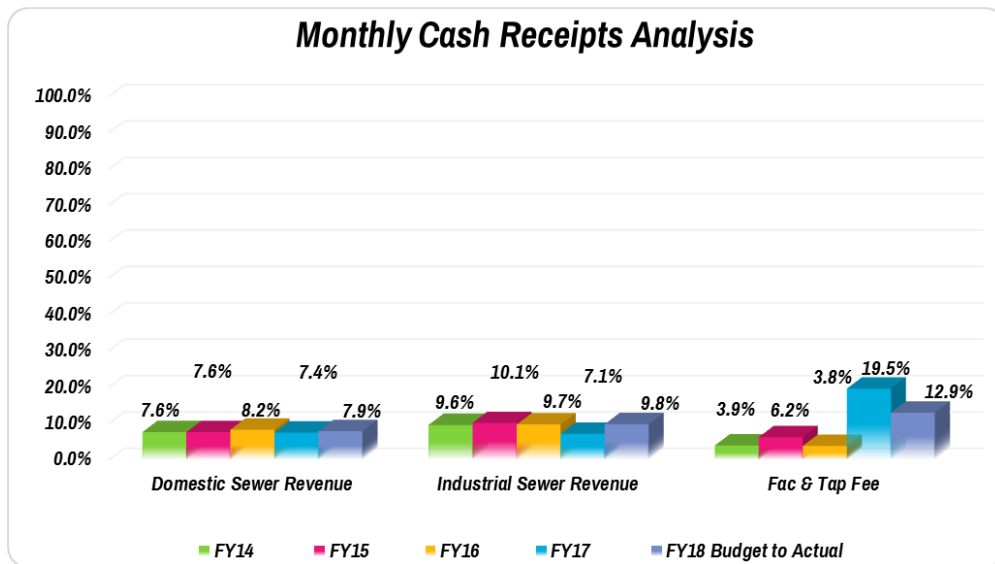
Summary of Asset Transactions			
	Original Cost	Market	Interest Receivable
Beginning Balance	\$ 69,110,748	\$ 69,154,398	\$ 73,310
Capital Contributed (Withdrawn)	940,516	940,516	
Realized Income	33,270	33,270	5,331
Unrealized/Accrued Income		3,928	10,868
Ending Balance	\$ 70,084,534	\$ 70,132,112	\$ 89,509

Value and Income by Maturity			
	Original Cost	Income	
Cash Equivalents <91 Days	\$ 39,635,360	\$ 30,198	
Securities/CD's 91 to 365 Days	25,949,174	19,770	
Securities/CD's > 1 Year	4,500,000	3,428	
	\$ 70,084,534	\$ 53,397	

Month End Portfolio Information	
Weighted Average Maturity	120
Yield to Maturity	1.50%
6 Month T-Bill Secondary Market	1.75%
NCCMT Government Portfolio	1.23%

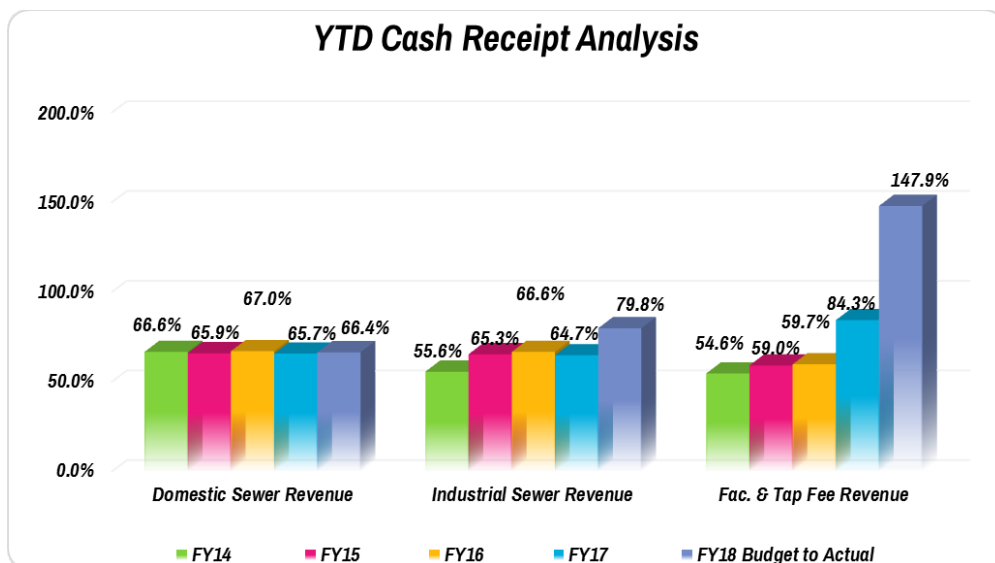


**METROPOLITAN SEWERAGE DISTRICT  
ANALYSIS OF CASH RECEIPTS  
As of February 28, 2018**



**Monthly Cash Receipts Analysis:**

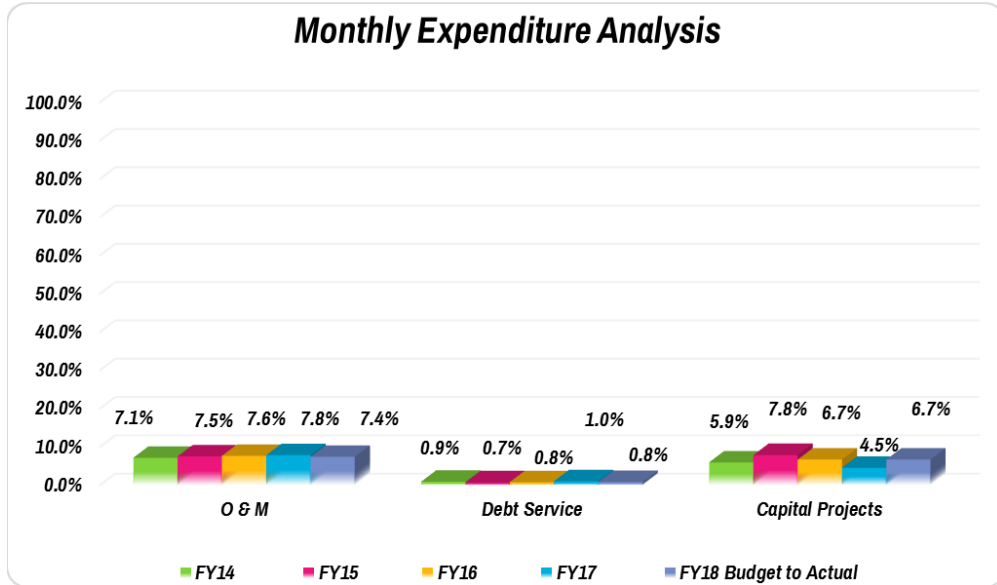
- Monthly domestic sewer revenue is considered reasonable based on timing of cash receipts in their respective fiscal periods.
- Monthly industrial sewer revenue is reasonable based on historical trends.
- Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap fee revenue reasonable.



**YTD Actual Revenue Analysis:**

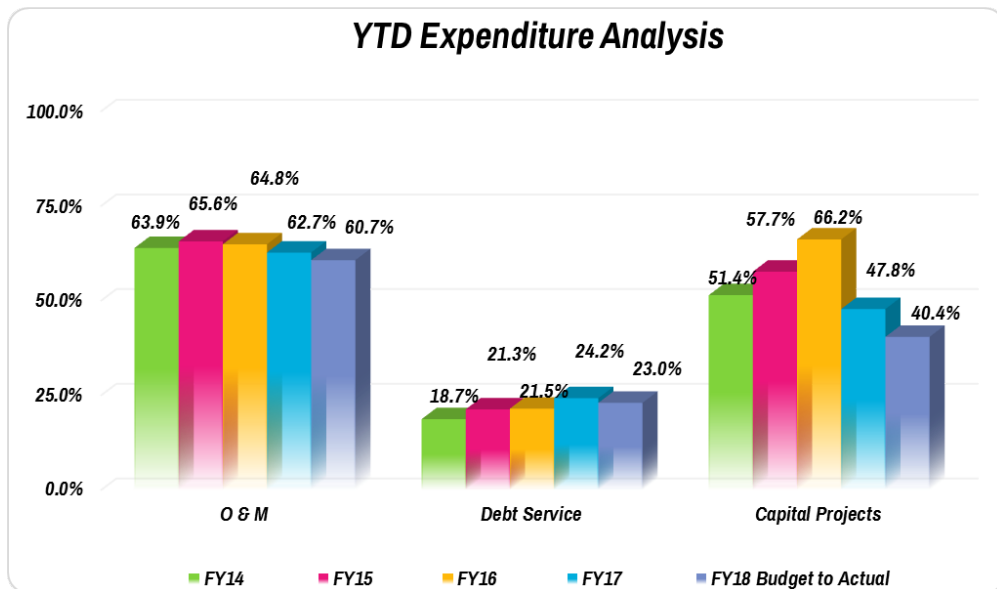
- YTD domestic sewer revenue is considered reasonable based on historical trends.
- YTD industrial sewer revenue is reasonable based on historical trends.
- Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap fee revenue reasonable.

**METROPOLITAN SEWERAGE DISTRICT  
ANALYSIS OF EXPENDITURES  
As of February 28, 2018**



**Monthly Expenditure Analysis:**

- Monthly O&M expenditures are considered reasonable based on historical trends and timing of expenditures in the current year.
- Due to the nature of the variable rate bond market, monthly expenditures can vary year to year. Based on current variable interest rates, monthly debt service expenditures are considered reasonable.
- Due to nature and timing of capital projects, monthly expenditures can vary from year to year. Based on the current outstanding capital projects, monthly capital project expenditures are considered reasonable.



**YTD Expenditure Analysis:**

- YTD O&M expenditures are considered reasonable based on historical trends.
- Due to the nature of the variable rate bond market, YTD expenditures can vary year to year. Based on current variable interest rates, YTD debt service expenditures are considered reasonable.
- Due to nature and timing of capital projects, YTD expenditures can vary from year to year. Based on the current outstanding capital projects, YTD capital project expenditures are considered reasonable.

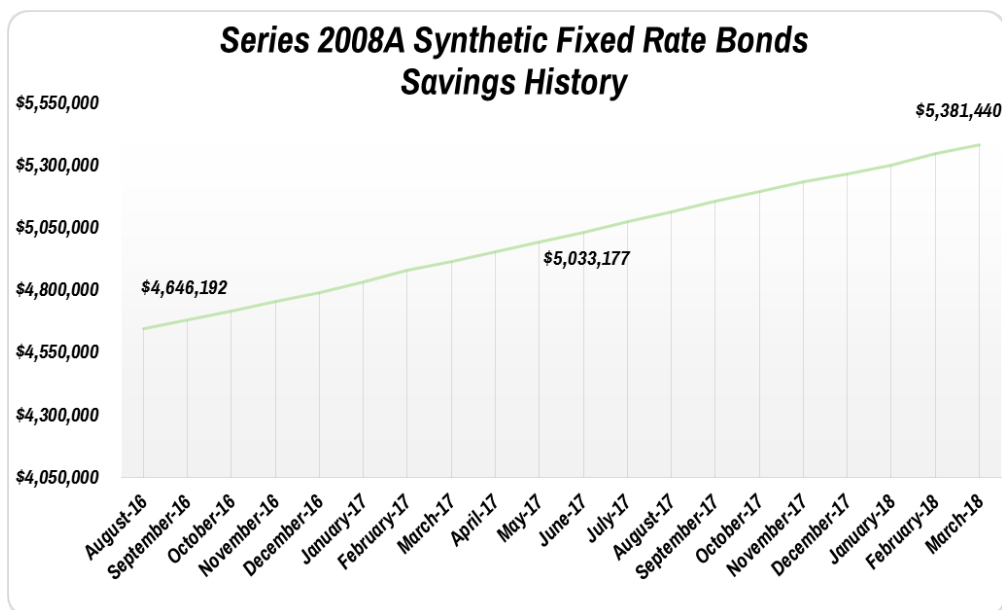
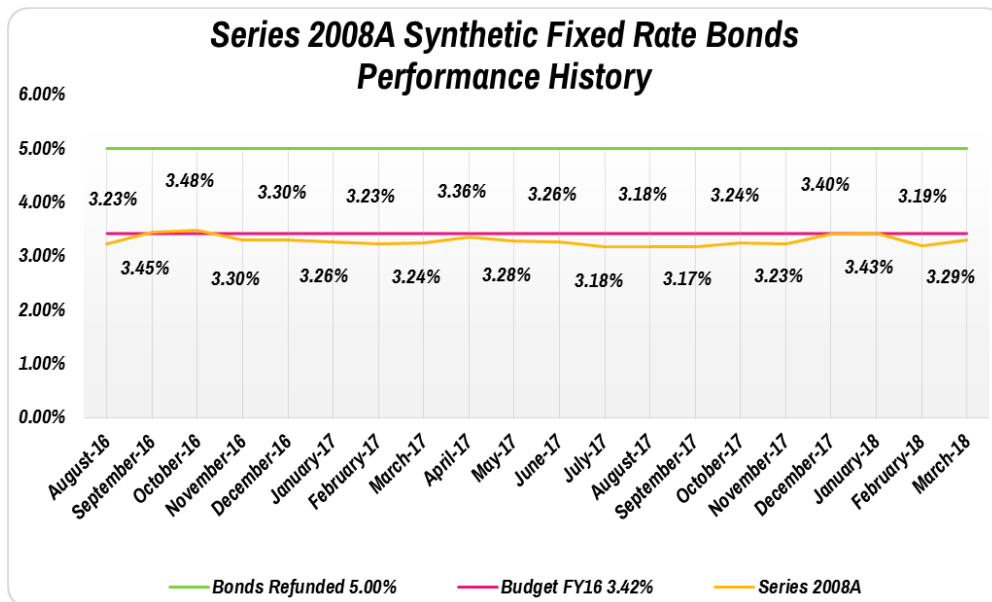


**Board Meeting:** April 18, 2018

**Subject:** Cash Commitment/Investment Report-Month Ended February 28, 2018

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**METROPOLITAN SEWERAGE DISTRICT  
VARIABLE DEBT SERVICE REPORT  
As of March 31, 2018**



**Series 2008A:**

- Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$5,381,440 as compared to 4/1/2008 fixed rate of 4.85%.
- Assuming that the rate on the Series 2008A Bonds continues at the current all-in rate of 3.9475%, MSD will achieve cash savings of \$4,670,000 over the life of the bonds.
- MSD would pay \$2,851,536 to terminate the existing Bank of America Swap Agreement.

# **STATUS REPORTS**

## MSD System Services In-House Construction

## FY 17-18 PROJECTS

PROJECT NAME	LOCATION	ZIP CODE	ESTIMATED FOOTAGE	ESTIMATED PROJECT DATES	WO#	CREW	COMPLETION DATE	ACTUAL FOOTAGE	NOTES
11 Greenbriar Emergency Repair	Asheville	TBA	50	7/1/17 - 7/10/17	244238	632	7/7/2017	52	complete
Sycamore Drive @ Walnut Street (Phase 2)	Arden	28704	290	7/1/17 - 7/31/17	244350	631	7/14/2017	291	complete
Windsor Road @ Beaverbrook Road	North Asheville	28804	726	7/8/17-7/31/17	228305	632	7/31/2017	725	complete
Nebraska Street Emergency Rehabilitation (Ph. 1)	W. Asheville	28806	415	8/1/17 - 9/1/17	240563	631	8/10/2017	414	complete
Celia Place at Bond Street (Rework)	N. Asheville	28801	250	8/1/17 - 8/11/17	244891	632	8/10/2017	80	complete
Windsor Road @ Beaverbrook Road (Ph. 2)	North Asheville	28804	125	8/14/17 - 9/1/17	244938	632	8/17/2017	124	complete
Sycamore Drive @ Walnut Street (Phase 3)	Arden	28704	494	8/11/17 - 9/1/17	245100	631	8/30/2017	479	complete
185 Mississippi Road	Montreat	28757	143	9/2/15 - 9/5/17	245783	632	9/5/2017	143	complete
Cedar Lane @ Oak Terrace	Arden	28704	1000	9/1/17 - 10/2/17	237374	631	9/28/2017	1001	complete
Penelope Street @ W. Cotton Ave	Black Mountain	28711	700	9/2/17 - 10/2/17	222331	632	9/29/2017	741	complete
Raleigh Avenue @ Marietta Street	Asheville	28803	655	10/2/17 - 11/1/17	237100	631	10/31/2017	746	complete
Manila Street	Asheville	28806	650	10/2/17-11/10/17	246373	632	11/10/2017	654	complete
44 Forsythe St	Asheville	28801	350	11/2/17 - 11/30/17	237035	631	11/17/2017	344	complete
School Road at Woodland (Ph. 1)	W. Asheville	28806	350	11/13/17 - 12/13/17	224993	632	11/29/2017	319	complete
School Road at Woodland (Ph. 2)	W. Asheville	28806	150	11/13/17 - 12/13/17	224993	632	11/29/2017	154	complete
Wilson Avenue at Grovemont Avenue	Swannanoa	28778	1480	12/1/17 - 1/3/18	247244	631	12/18/2017	1491	complete
Buchanan Ave Ph. 1 Sewer Rehabilitation	Asheville	28801	340	12/4/17 - 12/31/17	247996	632	12/19/2017	206	complete
209 Cane Creek Road Sewer Replacement	Fletcher	28732	337	12/28/17 - 1/12/18	232970	632	1/9/2018	348	complete
149 Weston Rd	Arden	28704	210	12/28/17 - 1/12/18	225004	631	1/10/2018	188	complete
Carlyle Way @ Sweeten Creek Rd	South Asheville	28803	100	1/13/18 - 1/23/18	248915	TBA	1/23/2018	79	complete
Fairfax Avenue	Asheville	28806	208	1/15/18 - 1/31/18	246376	632	1/26/2018	231	complete
100 Airport Road	Arden	28704	150	1/24/18 - 1/29/18	248988	631	1/29/2018	146	complete
Laurel Road Phase 2A	Arden	28704	1496	1/30/18 - 2/23/18	248227	631	2/19/2018	417	complete
Roberts Street	Asheville	28801	311	2/1/18 - 2/23/18	246375	632	2/21/2018	308	complete
4 Westview Ave	Asheville - Oakley	28803	740	2/26/18 - 3/16/18	238683	632	3/16/2018	775	complete
Asheville Country Club Phase 1C	North Asheville	28804	1210	2/26/18 - 3/30/18	237431	631	3/28/2018	1315	complete
Sunset Dr. @ Vance Drive	Black Mountain	28711	1010	3/18/18 - 3/30/18	237499	632	3/26/2018	950	complete
851 Blue Ridge Rd - Emerg. Creek Cross. Replacem	Black Mountain	28711	59	4/2/18-4/3/18	251523	631	4/3/2018	59	complete
Governors View Road @ Bull Mountain Road	Asheville	28805	785	4/2/18 - 5/16/18	238394	632			construction underway
169 Windsor Avenue Sewer Rehabilitation	Asheville	28804	650	4/4/18 - 4/30/18	240566	631			crew mobilizing to the site
Royal Pines @ Oak Terrace	Arden	28704	1000	5/1/18-6/1/18	237372	631			ready for construction
Waynensville Avenue Sewer Rehabilitation	Asheville	28806	2047	5/17/18 - 6/15/18	251622	632			ready for construction
Laurel Road Phase 2B	Arden	28704	1078	6/2/18 - 6/30/18	250366	631			ready for construction
Williamette Circle Sanitary Sewer Rehabilitation	Weaverville	28787	183	FY17-18	233748	TBA			ready for construction
Charlotte Street @ N Ridgeway Avenue	Black Mountain	28711	1073	FY17-18	232699	TBA			ready for construction



## CONSTRUCTION TOTALS BY DATE COMPLETED - Monthly

From 7/1/2017 to 2/28/2018

	Dig Ups	Emergency Dig Ups	Dig Up ML Ftg	Dig Up SL Ftg	Manhole Repairs	Taps Installed	ROW Ftg	IRS Rehab Ftg *	Const Rehab Ftg *	D-R Rehab Ftg *	Manhole Installs	Bursting Rehab Ftg *	Total Rehab Ftg *
July 2017	34	3	148	1,187	28	28	10,760	0	8	632	11	436	1076
August 2017	41	12	280	1,174	21	31	6,251	0	148	618	8	399	1165
September 2017	36	6	169	685	25	18	688	0	151	741	10	1,001	1893
October 2017	29	6	87	1,184	37	32	60	314	71	18	6	728	1131
November 2017	38	9	301	773	27	39	10,310	0	8	1043	13	428	1479
December 2017	22	9	120	879	31	26	10	0	432	8	6	1,697	2137
January 2018	37	11	135	859	21	19	541	0	0	992	7	0	992
February 2018	33	17	400	1,033	17	35	240	0	70	402	8	323	795
<b>Grand Totals</b>	<b>270</b>	<b>73</b>	<b>1,639</b>	<b>7,774</b>	<b>207</b>	<b>228</b>	<b>28,860</b>	<b>314</b>	<b>888</b>	<b>4454</b>	<b>69</b>	<b>5,012</b>	<b>10668</b>

\* Used to calculate Total Rehab Footage



## PIPELINE MAINTENANCE TOTALS BY DATE COMPLETED - Monthly

July 01, 2017 to February 28, 2018

	Main Line Wash Footage	Service Line Wash Footage	Rod Line Footage	Cleaned Footage	CCTV Footage	Smoke Footage	SL-RAT Footage
<b>2017</b>							
July	98,213	1,440	4,785	102,998	24,704	5,840	3,104
August	96,254	1,640	11,382	107,636	16,351	5,000	12,283
September	101,162	932	10,615	111,777	21,245	2,975	8,303
October	110,273	1,822	4,063	114,336	30,290	9,189	11,470
November	111,848	1,741	9,682	121,530	27,909	4,106	13,927
December	73,143	1,985	5,846	78,989	21,444	2,500	18,487
<b>2018</b>							
January	54,306	2,847	5,488	59,794	26,202	1,100	15,660
February	65,931	2,730	7,335	73,266	28,138	500	6,068
<b>Grand Total:</b>	<b>711,130</b>	<b>15,137</b>	<b>59,196</b>	<b>770,326</b>	<b>196,283</b>	<b>31,210</b>	<b>89,302</b>
<b>Avg Per Month:</b>	<b>88,891</b>	<b>1,892</b>	<b>7,400</b>	<b>96,291</b>	<b>24,535</b>	<b>3,901</b>	<b>11,163</b>



## CUSTOMER SERVICE REQUESTS

### Monthly - All Crews

CREW	MONTH	JOBS	AVERAGE RESPONSE TIME	AVERAGE TIME SPENT
<b>DAY 1ST RESPONDER</b>				
	July, 2017	93	32	31
	August, 2017	97	27	38
	September, 2017	104	33	50
	October, 2017	107	25	37
	November, 2017	110	23	35
	December, 2017	95	28	30
	January, 2018	137	26	30
	February, 2018	132	22	41
		<b>875</b>	<b>27</b>	<b>36</b>
<b>NIGHT 1ST RESPONDER</b>				
	July, 2017	16	29	31
	August, 2017	8	16	60
	September, 2017	18	24	40
	October, 2017	20	23	35
	November, 2017	21	11	18
	December, 2017	16	18	33
	January, 2018	30	26	26
	February, 2018	28	32	39
		<b>157</b>	<b>23</b>	<b>33</b>
<b>ON-CALL CREW *</b>				
	July, 2017	41	47	31
	August, 2017	31	41	57
	September, 2017	29	36	45
	October, 2017	48	51	35
	November, 2017	45	43	39
	December, 2017	70	50	37
	January, 2018	55	48	32
	February, 2018	53	47	43
		<b>372</b>	<b>46</b>	<b>39</b>
<b>Grand Totals:</b>		<b>1,404</b>	<b>32</b>	<b>37</b>

\* On-Call Crew Hours: 8:00pm-7:30am Monday-Friday, Weekends, and Holidays

## Planning & Development Project Status Report

Active Construction Projects Sorted by Work Location and Project Number

March 12, 2018

#	Project Name	Project Number	Work Location	Zip Code	Units	LF	Pre-Construction Conference Date	Comments
1	First Baptist Relocation	2015032	Asheville	28801	Comm.	333	7/21/2015	Final Inspection complete, awaiting close-out docs
2	The District	2015113	Asheville	28803	309	912	2/26/2016	Waiting on final inspection
3	Ascot Point Apartments Phase 3	2015114	Asheville	28803	104	213	9/9/2016	Punchlist pending, awaiting closeout documents
4	8 Sulphur Springs Road	2015116	Asheville	28806	6	80	11/22/2016	Final Inspection complete, awaiting close-out docs
5	Hampton Inn & Suites	2015144	Asheville	28806	Comm.	286	11/8/2016	Waiting on final inspection
6	340 Emma Road	2015216	Asheville	28806	8	138	12/15/2017	Final Inspection complete, awaiting close-out docs
7	Atkins Street	2016009	Asheville	28803	45	903	1/20/2017	Waiting on final inspection
8	88 Southside Avenue	2016015	Asheville	28801	18	400	2/21/2017	Waiting on final inspection
9	Hounds Ear (Mears Ave Cottages)	2016123	Asheville	28806	18	402	8/18/2017	Pre-con held, construction not yet started
10	Lausch Subdivision	2016153	Asheville	28805	4	248	5/16/2017	Waiting on final inspection
11	Bear Creek Homes	2016220	Asheville	28806	30	1,400	3/28/2017	Final Inspection complete, awaiting close-out docs
12	Hawthorne at Mills Gap	2016222	Asheville	28803	272	442	10/3/2017	Waiting on final inspection
13	Ashecroft	2016229	Asheville	28806	40	2,450	2/20/2018	Pre-con held, construction not yet started
14	Grindstaff Subdivision	2016246	Asheville	28805	4	132	6/23/2017	Final Inspection complete, awaiting close-out docs
15	Shiloh Cottages	2016252	Asheville	28803	7	180	3/3/2017	Waiting on final inspection
16	Onteora	2017002	Asheville	28803	6	417	7/18/2017	Waiting on final inspection
17	Gerber Road Storage	2017049	Asheville	28803	Comm.	156	2/9/2018	Pre-con held, construction not yet started
18	Cedar Street	2017063	Asheville	28803	6	196	2/22/2018	Final Inspection complete, awaiting close-out docs
19	Panda Express	2017080	Asheville	28805	Comm.	100	9/8/2017	Pre-con held, construction not yet started
20	42 Old County Home Road	2017109	Asheville	28805	5	198	3/29/2018	Pre-con held, construction not yet started
21	Villa Heights	2017118	Asheville	28806	8	540	2/20/2018	Pre-con held, construction not yet started
22	Westover Hills	2017177	Asheville	28801	1	105	10/6/2017	Final Inspection complete, awaiting close-out docs
23	West Keesler Avenue	2007176	Black Mountain	28711	6	410	11/15/2016	Final Inspection complete, awaiting close-out docs
24	Settings at Black Mountain	2008016	Black Mountain	28711	30	907	11/13/2015	Final Inspection complete, awaiting close-out docs
25	808 Montreat Road	2015126	Black Mountain	28711	4	371	4/18/2017	New Contractor, not started yet
26	Tudor Croft (aka Roberts Farm) Ph.2	2016170	Black Mountain	28711	46	1,320	1/3/2017	Phase 2A inspected, waiting on closeout docs
27	Swannanoa Valley Christian Min.	2017043	Black Mountain	28711	12	195	8/1/2017	Final Inspection complete, awaiting close-out docs
28	Cherokee Trail	2017065	Black Mountain	28711	4	90	8/18/2017	Final Inspection complete, awaiting close-out docs
29	Peregrine's Ridge	2006160	Buncombe Co.	28730	14	635	11/8/2016	Final Inspection complete, awaiting close-out docs
30	Hyde Park Phase 2	2013058	Buncombe Co.	28704	14	500	12/3/2013	Waiting on final inspection
31	Creekside Cottages	2014095	Buncombe Co.	28704	7	504	3/12/2015	Waiting on final inspection
32	Glenn Bridge Road	2014157	Buncombe Co.	28704	30	1,400	1/20/2017	Waiting on final inspection
33	Avondale Subdivision	2015052	Buncombe Co.	28803	4	215	4/7/2017	Final Inspection complete, awaiting close-out docs
34	Greymont Apartments	2015108	Buncombe Co.	28806	312	3,193	5/17/2016	Final Inspection complete, awaiting close-out docs
35	Liberty Oaks Ph. 1A	2015157	Buncombe Co.	28715	125	705	1/17/2017	Final Inspection complete, awaiting close-out docs
36	Bee Tree Village	2015158	Buncombe Co.	28778	26	1,118	3/17/2017	Waiting on final inspection
37	Skyland Exchange	2015217	Buncombe Co.	28704	292	1,090	2/7/2017	Waiting on final inspection
38	Newbridge Pkwy Apts. Phase II	2016013	Buncombe Co.	28804	154	1,368	10/27/2017	Installing
39	Weatherwood Subdivision	2016034	Buncombe Co.	28704	19	785	7/21/2017	Installing
40	Moody Ave	2016050	Buncombe Co.	28715	3	180	6/15/2017	Final Inspection complete, awaiting close-out docs
41	Long Shoals Apts.	2016070	Buncombe Co.	28704	475	930	7/10/2017	Waiting on final inspection
42	Perry Lane Apartments	2016075	Buncombe Co.	28704	120	710	11/7/2017	Waiting on final inspection
43	The Preserve at Avery's Creek	2016089	Buncombe Co.	28704	141	4,000	6/16/2017	Installing
43	New Salem Heights	2016192	Buncombe Co.	28778	25	816	2/13/2018	Pre-con held, construction not yet started
44	Biltmore Lake Block I, Phase 3	2016234	Buncombe Co.	28803	23	1,887	5/23/2017	Waiting on final inspection
45	The Ramble Block G	2017025	Buncombe Co.	28803	34	1,980	8/29/2017	Testing
46	The Ramble Block F, Phase 1	2017038	Buncombe Co.	28803	34	3,845	11/3/2017	Installing
47	The Ramble Block H, Phase 1	2017039	Buncombe Co.	28803	4	1,440	5/23/2017	Waiting on final inspection
48	South Cliff Village	2017041	Buncombe Co.	28730	34	1,345	9/1/2017	Testing
49	240 Old Farm School Road	2017112	Buncombe Co.	28805	4	340	2/9/2018	Installing
50	Baldwin Road Subdivision	2017138	Buncombe Co.	28704	68	1,740	3/28/2018	Pre-con held, construction not yet started
51	Greenwood Park Phase 1	2014067	Weaverville	28787	7	283	9/1/2015	Final Inspection complete, awaiting close-out docs
52	Creekside Village Phases III, IV, & V	2015167	Weaverville	28787	45	1,835	1/17/2017	Final Inspection complete, awaiting close-out docs
53	New Homes at North Main (Crittter)	2016052	Weaverville	28787	54	1,808	2/10/2017	Final Inspection complete, awaiting close-out docs
54	Starview Heights	2016184	Weaverville	28787	16	Private	1/12/2018	Pre-con held, construction not yet started
55	Maple Trace Phase 3	2016245	Weaverville	28787	24	1,260	5/2/2017	Final Inspection complete, awaiting close-out docs
56	Mattera Subdivision	2017023	Weaverville	28787	6	264	11/3/2017	Waiting on final inspection
57	Lake Louise	2017104	Weaverville	28787	4	80	12/15/2017	Waiting on final inspection
58	44 Central Ave	2017107	Weaverville	28787	7	275	10/27/2017	Pre-con held, construction not yet started
59	Lakeshore Drive	2017137	Weaverville	28787	4	70	10/27/2017	Pre-con held, construction not yet started
60	Crest Mountain Phase 3B	2013041	Woodfin	28806	69	1,329	10/15/2013	Punchlist pending, awaiting closeout documents
61	Reese & Jan Lasher (High Hopes)	2015152	Woodfin	28806	14	320	4/26/2016	Final Inspection complete, awaiting close-out docs
62	Ventana Phase 2A	2016059	Woodfin	28806	8	900	2/17/2017	Final Inspection complete, awaiting close-out docs
63	Olivette Development-Phase 1 Gravity	2016065	Woodfin	28804	356	1,155	3/29/2018	Pre-con held, construction not yet started
64	West Skyland Circle	2016083	Woodfin	28806	4	280	8/15/2017	Final Inspection complete, awaiting close-out docs
65	Skyfin	2016205	Woodfin	28806	40	978	8/8/2017	Waiting on final inspection
66	Olivette Pump Station/Force Main	2016213	Woodfin	28804	356	1,740	2/27/2018	Pre-con held, construction not yet started
67	Greenwood Fields Phase 2	2018006	Woodfin	28804	158	2,200	3/9/2018	Installing
			<b>TOTAL</b>			4,127	59,027	

**CAPITAL IMPROVEMENT PROGRAM**

**STATUS REPORT SUMMARY**

**April 11, 2018**

PROJECT	LOCATION OF PROJECT	CONTRACTOR	AWARD DATE	NOTICE TO PROCEED	ESTIMATED COMPLETION DATE	*CONTRACT AMOUNT	*COMPLETION STATUS (WORK)	COMMENTS
ELKWOOD AVENUE	Woodfin	Thomas Construction Company	9/20/2017	11/6/2017	6/4/2018	\$1,215,002.00	50%	Final re-paving for northern section of Elkwood Avenue is being scheduled. Pipe work on southern section of Elkwood Avenue is set to begin soon.
HENDERSONVILLE ROAD @ BLAKE DRIVE	Arden	Terry Brothers Construction Company	12/20/2017	1/2/2018	4/20/2018	\$164,152.00	99%	Final inspection was 4/6/18. Contractor working on minor punchlist items.
HENDERSONVILLE ROAD @ PEACHTREE ROAD	Asheville 28803	Terry Brothers Construction Company	8/16/2017	9/25/2017	4/27/2018	\$426,062.00	90%	NCDOT provided paving instructions on 4/2/18. Final paving is being scheduled.
HENDERSONVILLE ROAD @ ROSSCRAGGON DRIVE, PHASE 2	Arden	Terry Brothers Construction Company	1/17/2018	4/16/2018	9/13/2018	\$1,258,010.80	0%	Project has been staked. Work to begin soon.
JONESTOWN ROAD	Woodfin	Terry Brothers Construction Company	1/17/2018	2/12/2018	6/12/2018	\$725,002.10	80%	Work is progressing well.
MOUNTAIN VIEW ROAD	Asheville 28805	Thomas Construction Company	2/21/2018	4/2/2018	7/31/2018	\$490,112.00	0%	Contractor has mobilized to the project site.
PATTON HILL ROAD (4-INCH MAIN)	Swannanoa	TBA	TBA	TBA	TBA	TBA	0%	Project was bid on April 5th. Fuller & Company Construction is the apparent low bidder. Project will be presented at the April Board meeting.
POINT REPAIR CONTRACT NO. 2	Various	Patton Construction Group	7/19/2017	8/14/2017	6/30/2018	\$215,610.00	75%	Contractor has completed 13 point repairs.
SCHOOL ROAD @ CRANFORD ROAD	Asheville 28806	TBA	TBA	TBA	TBA	TBA	0%	Project was bid on April 5th. Fuller & Company Construction is the apparent low bidder. Project will be presented at the April Board meeting.
SHEPPARD DRIVE	Asheville 28806	TBA	TBA	TBA	TBA	TBA	0%	Project was bid on April 5th. Fuller & Company Construction is the apparent low bidder. Project will be presented at the April Board meeting.
SOUTH FRENCH BROAD INTERCEPTOR LINING (FY 17-18)	Biltmore Estate	Insituform Technologies	10/18/2017	1/2/2018	4/13/2018	\$1,171,314.00	95%	Lining is complete. Final restoration is underway.
SUTTON AVENUE	Black Mountain	Terry Brothers Construction Company	11/15/2017	1/15/2018	5/14/2018	\$1,076,986.00	75%	Contractor started pipebursting in Cherry Street this week.
WRF - PLANT HEADWORKS IMPROVEMENTS	Woodfin	Judy Construction Company	1/18/2017	4/3/2017	2/25/2019	\$9,234,851.22	55%	Diversion Structure, Pista Grit Flume, lower 4' of Pista Grit Chambers, Surge Pump Station pipe galley and operating floor has been poured. Re-route of the gravity thickener drain is underway. Electrical conduits for Surge Pump Station are being installed.

\*Updated to reflect approved Change Orders and Time Extensions