

BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
May 15, 2019

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, May 15, 2019. Chairman VeHaun presided with the following members present: Ashley, Bryson, Holland, Kelly, Pelly, Pressley, Valois, Watts, Whitesides and Wisler. Manheimer was absent.

Others present were: Thomas E. Hartye, PE, General Manager; Susan Russo Klein, General Counsel; Joseph Martin with Woodfin Sanitary Water and Sewer District; Ed Bradford, Angel Banks, Pam Thomas, Jim Hemphill, Hunter Carson, Scott Powell, Peter Weed, Mike Stamey, Sam Sirls, 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 April 17, 2019 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the April 17, 2019 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. Discussion and Adjustment of Agenda:

None.

5. Informal Discussion and Public Comment:

Mr. VeHaun welcomed Joe Martin with Woodfin Sanitary Water and Sewer District and Susan Russo Klein with Roberts & Stevens. There was no public comment.

6. Report of General Manager:

Mr. Hartye reported that attached is the most recent version of House Bill 758 which came out of the Government Committee. This bill incorporated 4 out of 5 of the items requested by MSD. The only one they did not include was the initial approval by this Board to start the process. However, the Board will be involved in the decision based on an analysis that MSD performs. Currently, the bill is still in Finance Committee and not moving very fast. Also, Senate Bill 536 which was reported on at the April Board meeting is also moving slowly. Mr. Kelly asked if Mr. Hartye had said that the final bill did not make the crossover. Mr. Hartye stated correct, it is in Finance Committee now and theoretically it did not.

Mr. Hartye reported that MSD has won many national awards but was awarded a local one this time. The Golden Shovel Award by Asheville Greenworks for both the large amount of new construction to our treatment and collection

facilities and for the continual preventative maintenance performed by MSD Personnel.

Mr. Hartye reported that Shaun Millsaps called to express his appreciation for the great job that the MSD crew did with thanks to Roy Lytle, Jamie Foxx, Robert Honeycutt and Shane Meadows.

Mr. Hartye reported that the proposed FY 2020 Preliminary Budget and Rate Recommendations will be presented at this meeting by Mr. Powell.

Mr. Hartye reported that the next Right of Way Committee meeting will be held on May 22nd at 9 am. The next regular Board Meeting will be held on June 12th at 2 pm and the Final Budget will be presented at that time.

7. Report of Committees:

a. CIP Committee – April 23, 2019

Mr. Watts reported that the CIP Committee met on April 23rd and unanimously recommended approval of the CIP Budget. He stated that it was a great meeting.

b. Personnel Committee – April 30, 2019

Ms. Bryson reported that the Personnel Committee met on April 30th and unanimously voted to accept Staff's recommendation of a 2.5% wage adjustment for all employees, a 6.5% increase in contribution for medical insurance and a 15.5% increase in contribution to the NC Retirement Plan.

c. Finance Committee – May 2, 2019

Mr. Kelly reported that the Finance Committee met on May 2nd and had a very great meeting. The Finance Committee recommends approval of the Proposed FY 19 Budget and Schedule of Rates and Fees.

8. Consolidated Motion Agenda:

a. Consideration of Reimbursement Agreement – Lee Creek Master Plan Interceptor (Olivette Development Phase 2):

Mr. Hartye reported that attached is a reimbursement agreement for the installation of a new Master Plan Interceptor to serve the Lee Creek Basin in Woodfin and Buncombe County. The Board has already approved a reimbursement agreement for the upsizing of the pump station and force main. Upon completion of that portion Staff will come back to this Board for approval of reimbursement. Olivette Development proposes to install the new 18-inch line in accordance with the District's Collection System Master Plan. This agreement before you today is an Additional Capacity Reimbursement. If a developer is required to put in a larger line that is necessary for their own development to serve additional areas, they are eligible for reimbursement of the difference of

the increased construction cost. Staff obtained independent price quotes from multiple contractors and in this case the increase is \$324,510.00. Staff does not anticipate bringing either of these reimbursements back to the Board for payment until next fiscal year. Staff recommends that the District enter into a reimbursement agreement with Olivette Development LLC in the amount of \$324,510.00, subject to review and approval by District Counsel.

b. Consideration of Developer Constructed Sewer Systems: Atkins Street; Greenwood Fields Phase 2; Ventana Phase 2:

Mr. Hartye reported that the Atkins Street project is located near Hendersonville Road in the City of Asheville and included extending approximately 893 linear feet of 8-inch public gravity sewer to serve the 45-townhome residential development.

Mr. Hartye reported that the Greenwood Fields Phase 2 project is located in the Town of Woodfin and included extending approximately 2,952 linear feet of 8-inch public gravity sewer to serve this phase of the 66-unit single family residential development.

Mr. Hartye reported that the Ventana Phase 2 project is located in the Town of Woodfin and included extending approximately 1,645 linear feet of 8-inch public gravity sewer to serve this phase of the 17-unit single family residential development.

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

c. Cash Commitment/Investment Report Month ended March, 2019:

Mr. Powell reported that Page 44 presents the makeup of the District's Investment Portfolio. There has been no significant change in makeup of the portfolio from the prior month. Page 45 presents the MSD investment managers report for the month of March. The weighted average maturity of the investment portfolio is 217 days. The yield to maturity is 2.5%. Page 46 presents the District's analysis of cash receipts. Monthly and YTD Domestic and Industrial sewer revenue are considered reasonable based on timing of cash receipts in their respective fiscal periods. YTD Industrial sewer revenue is above historical trends due to a temporary increase in revenue from one industrial user. YTD facility and tap fees are above historical trends due to the timing of 4 cash receipts from developers as well as these fees being budgeted conservatively. Page 47 presents the District's analysis of expenditures. Monthly and YTD O&M expenditures are considered reasonable based on historical trends. Due to the nature of the variable rate bond market, monthly and YTD expenditures can vary year to year. Based on the current variable interest rates, debt service expenditures are considered reasonable. 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 capital project expenditures are considered reasonable. Page 48 presents MSD's Variable Debt Service report. The 2008A Series refunding bonds are

performing better than budgeted expectations. As of the end of April, this issue has saved the District rate payers approximately \$5.9 million in debt service since April, 2008.

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

9. Public Hearing:

Mr. VeHaun announced the opening of the Public Hearing at 2:07 pm.

Consideration of Resolution Adopting the Preliminary Budget for FY 19-20 and Schedule of Sewer Rates and Fees:

Mr. Powell reported that Page 20 presents the proposed FY 19-20 budget of \$57,702,846 which includes a 2.5% domestic rate increase which is a .81 cent increase in the average single-family monthly bill. The average monthly bill will go from 31.36 to 32.17. We will continue the last year of the Industrial Rate Parity Plan which is in year 20 of 20. There will be a 4.0% average increase for the industrial section. Sewer System Development Fees and Sewer Connection Fees change in accordance with consultant and staff recommendations. There is no change this fiscal year. There is a 2.25% Rate of return on investments. There is a 3.75% increase in Salaries and Benefits which has an impact of \$516,386 and Personnel Committee recommendations for salary adjustments, self-insurance funding and GASB 45/75 OPEB funding as well as State required retirement contribution and unemployment funding. Also included in the Operation and Maintenance Budget is a 1.90% increase in materials, supplies and service which has an impact of \$124,536. Mr. Powell reported that Page 31 of the pdf document contains the detailed summary of items asked to be approved for this fiscal year. Page 60 includes a line item detail of the proposed CIP Budget of \$29,894,818. There were no questions or comments from the Board.

Mr. VeHaun called for public comment on the proposed Preliminary Budget for FY 19-20 and Schedule of Sewer Rates and Fees. There was none. Mr. VeHaun closed the Public Meeting at 2:17 pm.

Mr. VeHaun called for a motion to approve the Resolution Adopting the Preliminary Budget for FY 2019-2020 and the Schedule of Sewer Rates and Fees. Ms. Wisler moved. Mr. Kelly seconded the motion. Roll call vote was as follows: 11 Ayes; 0 Nays.

10. Old Business:

None

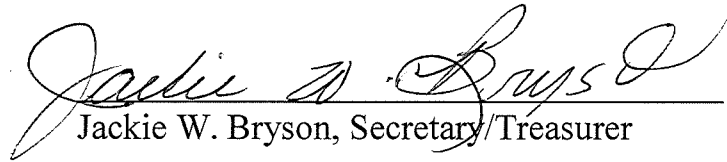
11. New Business:

None

Minutes
May 15, 2019
Page Five

11. Adjournment:

With no further business, Mr. VeHaun called for adjournment at 2:22 pm.


Jackie W. Bryson, Secretary/Treasurer

MSD

Regular Board Meeting

Metropolitan Sewerage District
of Buncombe County, NC

AGENDA FOR 5/15/19

✓	Agenda Item	Presenter	Time	
	Call to Order and Roll Call	VeHaun	2:00	
	01. Inquiry as to Conflict of Interest	VeHaun	2:05	
	02. Approval of Minutes of the April 17, 2019 Board Meeting	VeHaun	2:10	
	03. Discussion and Adjustment of Agenda	VeHaun	2:15	
	04. Informal Discussion and Public Comment	VeHaun	2:20	
	05. Report of General Manager	Hartye	2:25	
	06. Report of Committees	VeHaun	2:35	
	a. CIP Committee – April 23, 2019	Watts		
	b. Personnel Committee – April 30, 2019	Bryson		
	c. Finance Committee – May 2, 2019	Kelly		
	07. Consolidated Motion Agenda	Hartye	2:45	
	a. Consideration of Reimbursement Agreement – Lee Creek Master Plan Interceptor			
	b. Consideration of Developer Constructed Sewer Systems: Atkins Street ; Greenwood Fields Ph. 2 ; Ventana Ph. 2	Hartye		
	c. Cash Commitment Investment Report-Month ended March, 2019	Powell		
	08. Consideration of Resolution Adopting Preliminary Budget for FY 19-20 and Schedule of Sewer Rates and Fees	Powell	3:00	
	09. Old Business:	VeHaun	3:05	
	10. New Business:	VeHaun	3:10	
	11. Adjournment: (Next Meeting 6/12/19)	VeHaun	3:15	
	STATUS REPORTS			

BOARD OF THE METROPOLITAN SEWERAGE DISTRICT

April 17, 2019

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 2pm Wednesday, April 17, 2019. Chairman VeHaun presided with the following members present: Ashley, Bryson, Holland, Kelly, Manheimer, Pelly, Pressley, Valois, Watts, Whitesides and Wisler.

Others present were: Thomas E. Hartye, PE, General Manager; William Clarke, General Counsel; Forrest Westall with McGill Associates; Mark Barrett, Mountain Xpress; Marcus Jones, Cane Creek Water & Sewer District; Joseph Martin with Woodfin Sanitary Water & Sewer District; Ed Bradford, Angel Banks, Hunter Carson, Peter Weed, Scott Powell, Pam Thomas, Matthew Walter, Jim Hemphill, Ken Stines, 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 20, 2019 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the March 20, 2019 Board Meeting. Mr. Watts moved for approval of the minutes as presented. Ms. Wisler 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 Mr. Barrett with Mountain Xpress, Mr. Jones with Cane Creek Water and Sewer District and Mr. Martin with Woodfin Sanitary Water and Sewer District. There was no discussion or public comment.

6. Report of General Manager:

Mr. Hartye reported that attached is a copy of a draft bill sponsored by Representative McGrady which he received on Friday, along with his response. The bill changes the process of inclusion of a new county to not include approval by MSD but goes straight to the EMC (Environmental Management Commission). The second item is that Henderson County or the requesting county would start out with two members. Once certain triggers were met, then they would get a third member. Those triggers were either an increase in flow for the calendar year of 10% or more or a 15% increase in customers from the time of petition with the EMC. Since Friday, Representative McGrady has made an additional change to the proposed bill.

The original legislation was such that if the District Board approved, Henderson County would appoint one member for Cane Creek, one for Fletcher and one for Mills River. Now Henderson County starts with two and appoints a third member if any of the triggers are met. Mr. Clarke stated the main difference is that under the current G.S. 162A-68, MSD has the right to approve or disapprove any expansion of the District. Under the proposed G.S.162A-68.5, if certain criteria are met and if the EMC approves, additional territory will come into the District. Ms. Manheimer asked Mr. Clarke to tell them about the EMC. Mr. Clarke stated that the EMC is a citizen commission whose members are appointed by the Governor, Speaker of the House and Senate Pro Tempore. It currently consists of about 13 members. The EMC meets every other month. This issue is not something the EMC has dealt with a lot. Mr. Westall was on this Committee and agreed with Mr. Clarke. Mr. Watts stated that he thought this Board should be asked to approve any expansion and would like to discuss that possibility and he would make that motion if the Chairman so desired. Mr. Pelly asked if there was any discussion about these triggers and how their membership gets expanded as far as reflecting additional demand for services. Mr. Hartye reported that he responded in the attached emails from Friday. There was much discussion regarding triggers for a third member and how the process will work. Mr. Kelly asked how many other MSD Districts are affected by this legislation. Mr. Hartye stated that there was one other, in Onslow County. Mr. Hartye stated that the process would work much the same as it did before with MSD developing a report to give to the EMC, then the public hearings would ensue. Mr. Clarke added that it looks like the EMC would have some discretion. The language says that if they determine that the inclusion of the requesting county will not harm the public health and welfare. Mr. Hartye stated that if it is approved by the EMC they would appoint two members for at least a year. Then each year from the original petition time you would see if the other triggers have been met. Ms. Wisler voiced concern over the equitability of this decision being based on number of customers. Mr. Ashley asked if the number of members would be capped at three. Mr. Clarke stated yes, the members would be capped at three, and yes it does appear inequitable if it is based on the number of customers. Mr. Hartye presented a slide and discussed proportionality of Board representation and customer accounts per area relative to the District. No area is represented as it should be now, some are over, some are under. Mr. Kelly asked what Mr. Watts motion was. Mr. Watts stated that he had not made one yet but he thought the Board should have an opinion as to whether they are for or against this issue and be able to approve or disapprove. Mr. Clarke stated that a suggestion for discussion today would be to have a resolution that this Board is opposed to the bill and if the bill passed, language should be included to give MSD the right to say yes or no with regards to the prospective expansion and also with regard to representation and that it would be most equitable if Henderson County would be limited to two members. Mr. Watts made a motion on this suggestion, Mr. Kelly seconded. There was much discussion on the specifics of the motion and Mr. Kelly stated that he thinks the motion is that this Board should be consulted prior to this act taking affect and if we are not consulted then the Board would be against it as not being asked is different. Mr. Ashley stated

that he was more comfortable voting on the bill this way. Ms. Manheimer stated that this Board is being asked their opinion because Mr. McGrady sent it to them. Mr. Clarke asked Mr. Kelly if it was his intention that this Board be consulted prior to any expansion of the MSD. Mr. Kelly stated that he missed the e-mail and didn't know the Board would be asked to give an opinion. He thought that they were being told it was going to be introduced. Mr. Clarke stated that MSD did respond back to Representative McGrady, responses are included in the General Manager's report. Mr. Hartye stated that the comments were that the trigger should be different, that 10% should be eliminated and the 15% should be 30%. Mr. Hartye stated that the District should still have consulting authority. The District will petition the EMC, then develop a report on what is needed and how everything will work out, much the same way it worked the last time as far as a feasibility study and requirements. The question is whether we will have approval authority which we had before when most of the Board wanted them to have two members. It could be made clear in the resolution that MSD believes it should have approval authority and that the new county should be kept to two members. Mr. Ashley stated that he had also missed the emails and that's why he wasn't comfortable voting right this minute. Mr. Clarke further stated that after Mr. Hartye sent the email with the concerns about the bill, the triggers remain the same but the section that would have entitled Fletcher and Mills River to appoint members was taken out. Mr. Hartye stated that he had included the emails with this information from Friday in the Board package. Mr. Watts withdrew his original motion and Mr. Kelly consented to his withdrawal. Mr. Kelly moved that the Board oppose the bill as drafted. Mr. Whitesides seconded the motion. Roll call vote was as follows: 12 Ayes; 0 Nays.

Mr. Westall stated that one of his concerns from an engineering perspective is that the bar they put to the EMC is a very low bar. He stated that having been on the EMC he would want a lot more discretion in determining whether this was a good thing to do or not. He stated that he is not referring to any particular applicant, but if the statute says you have to accept it and it's not going to be detrimental to the public health and welfare, then someone with a very terrible system could come in, petition the EMC, and it would be to the benefit of public health and welfare for you to take it and have to subsidize what's going on with it. He stated that he thinks that's not a very good test of what the EMC should be doing. The EMC is made up of people who know quite a few things but have been given a low bar. Ms. Manheimer stated that this bill will be ordered to go to three different committees before it goes to the House Floor so it has a chance but with little warning to speak on the bill. She asked Mr. Hartye if that happens does he plan to go down there and, based on what has been discussed, does he feel he has enough information to provide the committee about MSD's concerns with the current bill. He stated yes. Mr. Clarke asked Mr. VeHaun if the Board wanted this to take the form of an actual resolution. Mr. VeHaun stated he preferred it in the form of a resolution, with the Board agreeing.

Mr. Hartye reported that attached is a copy of Senate Bill 536 Water/Wastewater Public Enterprise Reform. Also attached are comments from the NC Water Quality Association's attorney and Forrest Westall, MSD's Engineer of Record. This bill is currently in Committee and the long and short of it is it would add \$1.00 to the monthly bill for larger utilities. The goal for this would be a utility reserve to help failing systems, particularly those down east that have been hit hard and those who have never really gotten their systems up to snuff. This would help them with physical improvements, financial, managerial and help them to merger with other systems. This is done out of a utility reserve by which legislation envisions additional water and wastewater fees, \$1.00/month for each side. There has been a bit of discussion between other managers and they are starting to coordinate efforts. He stated that nothing has formally materialized yet and he just wanted to bring this issue to the Board's attention. The initial comments are that the goals are laudable. These systems need upgrading and funding. A lot of them do not have the mechanisms available. However, we do not see the \$1.00 fee as the means by which the funds should be raised. There are plenty of customers on fixed incomes here that have been paying the District's rate increases, \$330 million over the next ten years and probably \$230 million over the last ten. To fund other improvements for other utilities that haven't been raising their rates and doing their work seems inappropriate and regressive. He stated that he will return to the Board when he gets something more formalized but at this point he wanted to get input from this Board. While the goals are laudable, he feels this should be more of a general fund type of thing.

Mr. Hartye reported that MSD has once again received the Distinguished Budget Presentation Award. Thanks to Teresa Gilbert and Scott Powell.

Mr. Hartye reported that as a part of the preliminary budget, the CIP Committee will meet on April 23rd to consider an update of the Ten-Year Capital Improvement Program and the FY 2020 Construction Fund Budget. The Personnel Committee will meet on April 30th to consider Cost of Living/Merit pay, Benefit Allocations and Self-Funded Medical and Dental Program. The Finance Committee will meet May 2nd to consider a preliminary budget and an updated business plan which will incorporate the recommendations from the other Committees and potential sewer rates.

Mr. Hartye reported that the next Regular Board Meeting will be held on May 15, 2019 at 2 pm. The next Right of Way Committee meeting will be held on May 22, 2019 at 9 am.

7. Report of Committees:

a. Right of Way Committee–March 27, 2019

Mr. Kelly reported that the Right of Way Committee met on March 27, 2019, and made recommendations, all of which are routine and included in this Board package. There were no questions.

8. Consolidated Motion Agenda:

a. Consideration of Condemnation–Christian Creek Interceptor:

Mr. Hartye reported the Right of Way Committee recommends authority to obtain appraisal and proceed with condemnation, if necessary, and that there were 14 contacts with this owner.

b. Consideration of Condemnation-Springside Road @ Overlook Road GSR:

Mr. Hartye reported that 15 contacts were made with this owner and the Right of Way Committee recommends authority to obtain appraisal and proceed with condemnation, if necessary.

c. Consideration of Compensation Budgets – Brown Avenue @ Elk Mountain Road PSR; Brownwood Avenue @ Waynesville Avenue GSR; Lower Melody Lane GSR; New Walnut Street @ Riverside Drive GSR:

Mr. Hartye reported the Right of Way Committee recommends approval of these Compensation Budgets.

d. Consideration of Developer Constructed Sewer Systems: 229 Flint Street (Sewer Relocation); Newbridge Parkway Apartments Phase 2; Onteora Subdivision:

Mr. Hartye reported that the 229 Flint Street project is located in the City of Asheville and consisted of relocating 85 linear feet of 8-inch public gravity sewer and abandoning 60 linear feet of 8-inch public gravity sewer to accommodate a remodel.

Mr. Hartye reported that the Newbridge Parkway Apartments Phase 2 project is located in the Town of Woodfin and consisted of extending approximately 1,430 linear feet of 8-inch public gravity sewer to serve the 136 apartments for this phase of the project.

Mr. Hartye reported that the Onteora Subdivision project is located in the City of Asheville and consisted of extending approximately 382 linear feet of 8-inch public gravity sewer to serve the 6-unit single family residential development.

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

e. Cash Commitment/Investment Report Month ended February, 2019:

Mr. Powell reported that Page 47 presents the makeup of the District's Investment Portfolio. There has been no significant change in the makeup of the portfolio from the prior month. Page 48 presents the MSD investment managers report for the month of February. The weighted average maturity of the investment portfolio is 229 days. The yield to maturity is 2.52%. Page 49 presents the MSD analysis of Cash Receipts. Domestic User Fees are considered reasonable based on the 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 in the current fiscal year. Page 50 presents the MSD analysis of Expenditures. 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 57 presents the MSD Variable Debt Service Report. The 2008 A Series is performing at than budgeted expectations. As of the end of March the issue has saved the District rate payers approximately \$5.8 million in debt service since April of 2008.

f. Consideration of Auditing Services Contract – FY 2019

Mr. Powell reported that Cherry Bekaert continues to provide excellent service, commits to work hard to control expenses, and pass any additional savings to the District. The FY 2018 engagement finished was 5.3% under budget, approximately \$2,500.00. The FY 2019 engagement fee from Cherry Bekaert is slated for \$48,000.00. Staff recommends approval of the FY 2019 audit contract with Cherry Bekaert LLP. Ms. Wisler asked what the final fee was for last year. Mr. Powell stated it was \$44,500.00. The actual increase from year to year is approximately \$1,000.00 but due to where they pull their staffing the travel expense can vary. This year they had a completely new staff who came out of Charlotte so there was a lot of savings in relation to travel and they passed that savings on to the District. The \$48,000.00 is all inclusive. Mr. Whitesides asked how many years they have been the District's auditor. Mr. Powell stated they have been the District's auditor for the last 12 years. In that 12-year period, Staff has gone out for RFQ's 3 times. Cherry Bekaert has come back being the most qualified. They focus a lot on utility groups in the State of North Carolina. Mr. Powell stated that having someone who does a lot of those is an asset in relation to looking at the District's financials. Mr. Clarke noted that they have also rotated the audit partner in charge a couple of times. Mr. Powell stated that during that 12-year period the District has had at least 6 partners and a complete rotation of staff at least 7-8 times. They have come out of the Raleigh and Charlotte office.

With no further discussion, Mr. VeHaun called for a motion to approve the Consolidated Motion Agenda. Mr. Pelly moved. Ms. Wisler seconded the motion. Roll call vote was as follows: 12 Ayes; 0 Nays.

9. Old Business: None.

10. New Business: None.

11. Adjournment:

With no further business, Mr. VeHaun called for adjournment at 2:45 pm.

Jackie W. Bryson, Secretary/Treasurer



MEMORANDUM

TO: MSD Board
FROM: Thomas E. Hartye, P.E., General Manager
DATE: May 9, 2019
SUBJECT: Report from the General Manager

- NCGA House Bill 758

Attached is a copy of most recent version of the bill which was revised in Committee to incorporate MSD request items 2 through 5 listed below.

1. That any expansion of the District be approved by the MSD Board.
2. That an analysis be conducted regarding the inclusion of any new territory which will be shared with the Environmental Management Commission (EMC).
3. That the inclusion of the new territory not adversely affect customer service within the District.
4. That the representation for the new county be limited to two members.
5. To remove any provision for any additional members to be added.

I will give an update at the Board Meeting as to whether it made it through crossover.

- Kudos

- MSD was awarded the Golden Shovel Award by Asheville Greenworks for both the large amount of construction to our treatment and collection facilities and for the continual preventative maintenance performed by MSD personnel.
- Shaun Millsaps called to express his appreciation for the great job that the MSD crew did with thanks to Roy Lytle, Jamie Foxx, Robert Honeycutt, and Shane Meadows.

- FY 2020 Preliminary Budget

The proposed FY 2020 Preliminary Budget of \$57,702,846 will be presented which includes \$29.9 Million in Construction along with a \$16.9 Million Operating Budget and \$9.8 Million in Debt payments. The proposed Sewer Rate increase is 2.5% with no increase in Fees.

- Board/Committee Meetings/Events

The next Right of Way Committee meeting will be held on May 22nd at 9am. The next Regular Board Meeting will be held on June 12th at 2 pm.

Dear Mr. Hartye,

Asheville GreenWorks created the Environmental Excellence Awards in 1992, to honor individuals, organizations and businesses that are making a difference in environmental sustainability and stewardship in Asheville and Buncombe County. I am pleased to inform you that **MSD has been selected as the recipient** of the Environmental Excellence Award in the category of the Golden Shovel — an award for an outstanding capital project that improves the environment.

A selection committee comprised of GreenWorks staff and board and environmental professionals reviewed the nominees and selected the award winners. You were among a group of high-caliber nominees who have all accomplished great things in service to the environment and our community.

In recognition of your contributions to environmental sustainability and stewardship, GreenWorks would like to offer you and a guest complimentary tickets to the Environmental Excellence Awards Night on April 27th, 6:00-9:00PM at the DoubleTree by Hilton Asheville-Biltmore, located at 115 Hendersonville Road in Biltmore Village in Asheville. I hope you will join us in celebration and so I can personally offer my gratitude for all the work you do.

Please call or email Danise Hauser at danise@ashevillegreenworks.org or (828) 254-1776 to register you and your guests for the event.

Best regards,
Dawn

Dawn Chávez
Executive Director

2 Sulphur Springs Road
Asheville, NC 28806
(828) 254-1776

www.AshevilleGreenWorks.org

Mission: GreenWorks inspires, equips and mobilizes individuals and communities to take care of the places we love to live.



GENERAL ASSEMBLY OF NORTH CAROLINA
SESSION 2019

H

2

HOUSE BILL 758
Committee Substitute Favorable 4/29/19

Short Title: MSD Expansion and Governance.

(Public)

Sponsors:

Referred to:

April 16, 2019

1 A BILL TO BE ENTITLED
2 AN ACT TO EXPAND THE MEMBERSHIP OF CERTAIN METROPOLITAN SEWERAGE
3 DISTRICTS.

4 The General Assembly of North Carolina enacts:

5 **SECTION 1.** Article 5 of Chapter 162A of the General Statutes is amended by
6 adding a new section to read:

7 "**§ 162A-68.5. Alternate procedure for inclusion of additional political subdivision.**

8 (a) Notwithstanding G.S. 162A-67 and G.S. 162A-68, any time subsequent to the
9 creation of a district, the district shall be expanded in accordance with this section to include
10 territory of a requesting county if the governing board of the county submits a resolution
11 requesting inclusion in the district and the county meets all of the following criteria:

12 (1) The county is contracting with the district for bulk service.

13 (2) The district has installed a sewage disposal system, sewerage system, sewers,
14 or any portion thereof, in that county.

15 (3) The district serves customers in that county as of the date of the resolution.

16 (b) Upon receipt of a resolution described in subsection (a) of this section, the district
17 board shall send to the Environmental Management Commission and the requesting county all
18 of the following:

19 (1) A map or maps of the district showing each of the following:

20 a. The present and proposed new boundaries of the district.

21 b. The existing sewage disposal system, sewerage system, and sewers.

22 c. Any proposed extension of the sewage disposal system, sewerage
23 system, sewer, including any sewer interceptors and outfalls.

24 (2) A description of any proposed extension of sewerage services to the
25 requesting county, which shall address all of the following:

26 a. Extension of sewerage service to the requesting county on
27 substantially the same basis and in the same manner as such services
28 are provided within the rest of the district prior to inclusion of the new
29 territory.

30 b. A proposed time schedule for extension of sewerage service to the
31 requesting county.

32 c. The estimated cost of extension of sewerage service to the requesting
33 county; the method by which the district board proposes to finance the
34 extension; the outstanding existing indebtedness of the district, if any;
35 and the valuation of assessable property within the district and within
36 the requesting county.



1 (3) An analysis of the inclusion of the territory in the district.

2 (c) The Environmental Management Commission shall review the documents submitted
3 under subsection (b) of this section and shall, in conjunction with the requesting county, set a
4 time and place within the requesting county for a public hearing. The chair of the governing body
5 of the requesting county shall give prior notice of such hearing by posting a notice at the
6 courthouse door of the requesting county at least 30 days prior to the hearing and also by
7 publication at least once a week for four successive weeks in a newspaper or newspapers having
8 general circulation in the district and in the requesting county, the first publication to be at least
9 30 days prior to such public hearing.

10 (d) If, after the public hearing, the Environmental Management Commission determines
11 that the inclusion of the territory will not adversely affect customer service in the district and will
12 preserve and promote the public health and welfare of the district, the Environmental
13 Management Commission shall adopt a resolution expanding and defining the boundaries of the
14 district to include the territory in the district. Such resolution shall state an effective date of the
15 inclusion of the territory in the district.

16 (e) Any action or proceeding in any court to set aside a resolution of the Environmental
17 Management Commission, or to obtain any other relief upon the ground that such resolution or
18 any proceeding or action taken with respect to the inclusion of the requesting county within the
19 district is invalid, must be commenced within 30 days after the effective date of the resolution
20 adopted by the Environmental Management Commission. After the expiration of such period of
21 limitation, no right of action or defense founded upon the invalidity of the resolution or the
22 inclusion of the requesting county in the district shall be asserted, nor shall the validity of the
23 resolution or the inclusion of the requesting county be open to question in any court upon any
24 ground whatever, except in an action or proceeding commenced within such period.

25 (f) Any requesting county included within an existing district by resolution of the
26 Environmental Management Commission shall be subject to all debts of the district.

27 (g) Upon inclusion in the district, the district board shall be expanded by two members,
28 who shall be qualified registered voters residing in the territory added to the district and appointed
29 by the governing body of the requesting county. The terms of office of the members appointed
30 under this subsection may be varied for a period not to exceed six months from the terms provided
31 for in G.S. 162A-67 so that the appointment of successors to such members may more nearly
32 coincide with the appointment of successors to members of the existing district board. All
33 successor members shall be appointed for the terms provided for in G.S. 162A-67.

34 (h) G.S. 162A-67(a)(4) and G.S. 162A-68 shall not apply to any expansion under this
35 section."

36 **SECTION 2.** This act is effective when it becomes law.

CAPITAL IMPROVEMENT PROGRAM COMMITTEE

Minutes

April 23, 2019

8:30 a.m.

The Capital Improvement Program Committee of the Metropolitan Sewerage District met on April 23, 2019 at 8:30 a.m. in the MSD Administration Building on Riverside Drive in Woodfin with the following persons present: Bob Watts-Committee Chairman, Matt Ashley, Chris Pelly, Earl Valois, David Melton, Jonathan Kanipe, Josh Harold, Marcus Jones, Alex Carmichael, Joe Martin and Jason Young-CIP Committee Members; Jackie Bryson-MSD Board Member; Tom Hartye-MSD General Manager; William Clarke-Roberts & Stevens; Forrest Westall-McGill Associates; Ed Bradford, Scott Powell, Angel Banks, Hunter Carson, Mike Stamey, Ken Stines, Owen Herbert, Darin Prosser, Peter Weed, Spencer Nay and Pam Nolan-MSD.

1. Call to Order

Mr. Watts called the meeting to order at 8:30 a.m. He declared a quorum and turned the meeting over to Mr. Hartye. Mr. Hartye thanked everyone for coming. Mr. Hartye explained that this Committee was formed during consolidation so that MSD could carry out plans for hot spots and master plan areas, annexation areas and that type of thing. This has changed over time and MSD has organized this so that you can look in your area and see what projects are happening. The more important part is that by way of coordination we are showing you where we are going to be in the next ten years. Now is a good time to see if you have any projects, water, paving, etc., in an area that we can work together on.

He introduced Ed Bradford, Director of CIP and Hunter Carson, Assistant Director of CIP and turned the meeting over to Mr. Bradford.

2. Highlights of the Current and Proposed Capital Improvement Program

Mr. Bradford stated that if anyone had any questions or comments he would be glad to stop and answer them. He then proceeded with a Power Point presentation beginning with a summary of the proposed CIP Budget for the coming fiscal year. The proposed budget for FY 2020 consists of a subtotal for projects of \$28,158,818, a Contingency of \$1,000,000 and Reimbursements of \$736,000 for a total of \$29,894,818. The inflationary component for this year is 2.90% and is based on the ENR index. He stated that a copy of the budget is posted on MSD's website at www.msdbc.org.

Mr. Bradford reported that MSD maintains over 1,034 miles of sewer line at this time. If you stretched the line from MSD, it would be past Havana (864 miles), almost to Bermuda (1,044 miles), almost to Nova Scotia (1,041 miles) and not quite to Amarillo, Texas (1,087 miles). MSD maintains an aggressive and proactive capital rehabilitation program. Projects are prioritized and scheduled according to their pipe rating and system needs without regard to political jurisdiction. The pipe rating program includes the following aspects: SSO and overflow history, customer service requests, proximity to streams and waterways, structural condition and monitoring schedule by MSD Staff. Pipe rating inputs include project length, customer service requests, flooded structures, sanitary sewer overflows, manhole overflows, monitoring schedule, structural age or condition, impacts to surface waters and potential for remote SSO's. There are other considerations that take priority over the pipe rating. MSD coordinates with other agencies as Mr. Hartye mentioned such as timing with a city or town project for paving, sidewalk or water will drive the schedule over the pipe rating itself. This program was developed with in-house staff and off-the-shelf software, there was no black-box programming or outside

consultant to rely on to keep it updated. It has been published multiple times and Staff has given numerous presentations over the years. MSD was one of the first utilities in the country to implement a system like this.

Mr. Bradford explained that MSD rehabilitates approximately 40,000 LF of line each year. In-house crews rehabilitate 20,000 LF per year of that amount in addition to handling taps and emergency repairs. From 1991 to 2018, 1.22 million LF have been rehabilitated or replaced which is 230.5 miles or 22.3% of the total system.

Mr. Bradford presented snapshots and videos of in-house rehabilitation projects either completed or underway this year. One of these projects is Old West Chapel Road in the Oakley area. This was both dig and replace and pipe bursting and consisted of replacing about 5,200 LF of old 6" and 8" clay lines on multiple streets. Mr. Martin asked if they had ever run into rock and there was no room to expand the soil. Mr. Bradford stated yes that they actually ran into not rock but concrete on this project. They snapped the cable and had to dig it up and restart the burst. Mr. Ashley asked how many feet per minute could this go. Mr. Bradford stated about 1/2"-1" per blow unless it runs into hard soil and then it will slow down. The South French Broad Interceptor Lining Phase III Project consisted of a little over 5,000 LF, for a total of about 21,000 LF for three phases and is located through the Biltmore Estate. The pipe is in good structural condition but the inner surface is suffering from concrete degradation. He presented slides and explained the lining process. Mr. Martin asked if they ever had anyone damage or vandalize the by-pass. Mr. Bradford stated no but in certain areas there are extra precautions taken. Mr. Stines and Mr. Carson both stated if the pumps are running 24/7 there is someone there.

Mr. Bradford reported that MSD will partner with any member agency. MSD is partnering with the City of Asheville on the Walnut Street @ Rankin Avenue Project. This project is in downtown Asheville near Pritchard Park. It is important to let MSD know as early as practical for effective planning. These projects can be planned years out and partnering can save time, money and multiple disruptions in neighborhoods.

He then reviewed some in-house System Services projects. The Laurel Road Phase 2B Rehabilitation Project is located in the Royal Pines community and consisted of replacement of a little over 900 LF of public gravity sewer and was completed in March of 2019. The 70 Hampton Drive Rehabilitation Project is located in the Shiloh Community and included replacement of 253 LF of existing 8" sewer line through a baseball field. This work was completed in February of 2019 and MSD worked closely with the City of Asheville Parks and Recreation staff on the timing of this work.

Mr. Bradford then reviewed the Private Sewer Rehabilitation program. It is for the rehabilitation of private, failing, unclaimed systems that were not built to any public standard, nor were they accepted by any entity (either public or private) for ownership and maintenance. Ridgecrest is a good example of a system that would not qualify since they have their own private system. These are usually of poor quality, with no manholes, laid in a crooked manner, etc. The District determines when to fully rehabilitate any given system. There are currently about 50 of these systems that the District does maintain, maybe do spot repairs, until it becomes too much trouble and they will be rehabilitated. There have been about 21 of these projects since the 1990's. There are currently three PSR's scheduled for rehabilitation, no new ones have been added for this fiscal year. Mr. Martin asked if the PSR's ran out because there are quite a few in a row and then none. Mr. Bradford stated that these are maintained so none have risen to the level of needing repair. A spot repair may be good for ten years but some lines are in such bad condition that if they need repair every few months they need to get on the program.

Mr. Bradford then reviewed the upcoming projects for FY19-20. He explained that each slide shows the location and general vicinity. Upcoming projects include the South French Broad Interceptor Lining Project (Phase 4 of 4) through the Biltmore Estate at 3,976 LF; Christian Creek Interceptor is east in the County and serves the Swannanoa area, consists of 12,226 LF and will span over two fiscal years; Town Branch Interceptor Lining is a short section just south of downtown Asheville and consists of 800 LF; Weaverville Force Main at the Plant is along Riverside Drive and consists of 2,370 LF. This is an existing 12-inch force main in poor condition and will be replaced with a 36-inch line. It serves all of Weaverville, Woodfin and some areas of Buncombe County. Beaucatcher Road at Kenilworth Road is near Tunnel Road and consists of 1,590 LF. This project is being coordinated with the City of Asheville as they will be paving Kenilworth Road. Four Inch Main – Patton Hill Road is located in East Buncombe County in Swannanoa and consists of 618 LF. New Haw Creek Road at Water Booster Station is the smallest project in the CIP consisting of 92 LF. New Walnut Street at Riverside Drive is near Silverline Plastics in Woodfin and consists of about 1,300 LF. North Lexington Avenue at I-240 is located in downtown Asheville adjacent to I-240 and consists of 210 LF. Walnut Street at Rankin Avenue is near Pritchard Park in downtown Asheville that was mentioned previously and is being coordinated with the City of Asheville as part of their Downtown Haywood Streetscape Project in 2020. This project consists of approximately 2,495 LF. Mr. Martin asked what the definition of an interceptor line is. Mr. Bradford stated it is generally 12-inches and larger. Collector lines are smaller and anything along a river is an interceptor.

The French Broad Interceptor/Carrier Bridge PER is a Hydraulic Analysis of interceptors in this area for current and future flows, particularly south. Mr. Bradford presented a map and stated his will become a planning document for significant projects in this area with a 50-year planning window. It will accommodate growth in South, East and West areas including Cane Creek Water & Sewer District. Carrier Bridge must be retained which was found out during the study. It could be eliminated only in dry weather flows but we can't handle wet weather flows if we were to get rid of it and just use gravity. Talks have begun with Duke Energy to acquire the parcel of land adjacent to this one to construct a new pump station. The original pump station was constructed in the 1960's and upgraded multiple times. Capacity improvements will be somewhere around 35 – 40 mgd and construction will be approximately \$20 million. Design is to begin in FY 2020. Mr. Jones asked what the anticipated time for construction is. Mr. Bradford stated it will be the year after design.

The Wet Weather Storage Tanks will provide temporary storage under wet weather conditions. There is one proposed along the Swannanoa River. Storage volume will be a little over 8 million gallons and construction cost is \$20.5 million. Design to begin in FY 21-22. There is another tank proposed for the vicinity of Carrier Bridge with timing to be determined after this tank is complete. Mr. Pelly asked if this tank was above ground and what is the approximate size. Mr. Carson stated that it was about 50 feet tall and 200 feet in diameter. Mr. Martin asked if the tanks were both liquids and solids. Mr. Bradford stated liquids. Mr. Pelly asked if there would be community outreach when this began, stating there may be some push back on it. Mr. Bradford stated that Staff has already been talking with Three Mountaineers' owners. Mr. Martin asked if the tank would stay full all the time or just in wet weather. Mr. Bradford stated it will be full during wet weather. Mr. Stines stated most of the time it will be empty except during heavy rain events.

The South French Broad Interceptor is currently a single 36-inch line through the estate. The relief interceptor is included within CIP and is currently sized at 36-inch and 60-inch. Surveys through the estate are complete. This is a very significant project consisting of approximately 36,330 LF with an estimated cost of \$31.3 Million. This study is at the very last stage of completion and Staff plans to formally present it to this Board in July of 2019.

Mr. Bradford then presented a snapshot of our Capital Program showing over 100 projects in all phases. He also presented slides describing the Master Plan which was prepared in 2008. This Master Plan was prepared under the guidance of the member agencies and regional stakeholders and was adopted by the MSD Board in November 2008. It is used as a basis to ensure that extensions are done in an orderly, predictable fashion. One of the larger projects guided under this plan was the Reems Creek Interceptor, which included 2 phases, both of which are complete. The West French Broad Interceptor is also a completed Master Plan project. Olivette Development is the newest one, located in Woodfin and construction is underway. There will be two phases to this project, one for the pump station/river crossing and the next will be for the interceptor. Mr. Bradford pointed out that construction is funded by the developer on these projects – the line is sized in accordance with the master plan, and is sized for future growth, and MSD pays for the size differential. Mr. Martin asked if this has already been punched under the river. Mr. Bradford stated yes and presented snapshots of the river crossing. He presented snapshots of the location of the Olivette Development and stated that it consisted of 346 acres. This Board approved reimbursement for the pump station and river crossing in November of 2017. Staff plans to bring the reimbursement for the interceptor portion to this Board either this month or next. The river bore is complete and the pump station construction is underway. Mr. Martin asked anything was live yet or if the homes were on septic. Mr. Bradford stated there were two homes who have special permits for pump and haul. Mr. Martin asked how far they are under the river bed. Mr. Carson stated that they were about 30 feet deep under the bottom of the river bed and it was pure rock. There was discussion regarding the route of the interceptor, which will generally follow Reed Creek. Mr. Martin asked what size the interceptor would be. Mr. Bradford stated 18-inch. There was some further discussion regarding areas the line would eventually be able to pick up. Mr. Bradford added that before MSD contributes any money the line must be fully installed to MSD standards and they must give MSD an easement all the way through their property so that others can tie on to it in the future. Mr. Martin asked where the line would come out at. Mr. Bradford stated that the interceptor follows Lee Creek and will come out near Olivette Road.

Mr. Bradford then turned the meeting over to Hunter Carson, MSD's Assistant Director of Engineering, for highlights of projects at the Water Reclamation Facility. Mr. Carson reviewed the RBC Blower Building Motor Controller Replacement Project which has been completed within the last year. The building is located centrally at the plant and houses five large (450HP) blowers. These blowers provide air to the 152 RBC's to promote unit rotation and provide an oxygen rich environment to the water which helps the bugs in the wastewater do their job. Each blower is driven by a 450 HP motor and each of those are supplied with 2400V power. Prior to this project the District used an "across-the-line" motor starter which is basically a big switch that allows the motor to go from zero to max speed almost instantaneously. This would result in a very high inrush current during startup with a lot of stress on the motor and the blower drive shaft. These have been replaced with motor "soft-starters" which provide softer ramp up and ramp down of the starting sequence and a lot less stress on the motor. This project was awarded by the Board in August of 2017 with a construction cost of \$367,000.00. There was discussion regarding the life span of the RBC's and the fact that they can no longer be purchased.

Mr. Carson then reviewed the Intermediate Clarifier Slide Gate Replacement project which is located in the northwest corner of the plant. These clarifiers receive the effluent from the tail end of the RBC's. There are four intermediate clarifiers and each clarifier has two isolation slide gates for a total of eight gates that were replaced. These gates allow the basins to be isolated and dewatered for maintenance. The old gates were installed 30 years ago, were bent, and didn't seal well which made maintenance very difficult. This project was approved at the September 2018 Board Meeting. The construction cost was \$154,000.00.

The Plant Headworks Improvements Project is currently at completion. This project is located at the south end of the plant and encompasses several areas. The scope of work to date has included replacement of existing $\frac{3}{4}$ " influent bar screens with $\frac{1}{2}$ " screens. The bar screens are located just upstream from the influent pumps. They protect the pumps from large objects coming down the interceptor. A new fine screening facility was added with $\frac{1}{4}$ " perforated plate fine screens. There was a new grit removal facility added using vortex grit removal technology and a surge pumping system for peak flow shaving. The Surge pump system utilizes the existing abandoned digester tanks at 2.1 MG each so now there is a total of 4.2 MG of wet weather storage at the plant which helps in heavy rain events. This project was approved by the Board in January 2017 and construction began in April 2017 with a construction cost at \$9.6 Million. Completion is expected in May of 2019. Mr. Carson presented slides and video of how these processes work. Mr. Martin asked if the debris could be incinerated or if it is hauled to the landfill. Mr. Carson stated that it gets compressed, dewatered and taken to the landfill. The bypass pumping system and tie-in was an important part of the process. Maintenance of Plant Operations (MOPO) is a critical aspect that must be considered in design and construction. MSD does not have the luxury of taking a basin out of service for two years while constructing something new so the existing Schreiber grit removal system had to be kept in process while building the new removal system. There is also a limited footprint due to site restrictions. The new screening and grit removal structure was built over two existing operational sewer lines (a 48-inch influent line and a 54-inch effluent line that served the Schreiber grit removal system). Tie-in of the new process required a significant bypass pumping system (composed of 8 pumps with a total pumping capacity of 70mgd) to temporarily divert flow to the RBC basins. The bypass pumping system ran for 2 weeks. With the old Schreiber process we were removing approximately 20-25 cubic feet of solids per day and since the new headworks went on line in mid-February we have most recently been removing about 60 cubic feet per day. Mr. Martin asked if that helped the RBC's work more effectively or keep them from wearing out or both. Mr. Carson stated that solids removal will ultimately gain back treatment volume in the RBC basins. Prior to the Headworks projects, these solids were being deposited in the bottom of the RBC basins and getting caught in the air cups inside the RBC's. Solids removal from the new Headworks will help in many ways. Historically, the RBC's have undergone a vacuuming process on a yearly basis. The hope is to reduce or eliminate that in the years to come.

The High Rate Primary Treatment is another ongoing project which is located downstream from the new Headworks Project where the old primary microscreen building was located. This project will improve the efficiency of the downstream biological treatment. Currently there is no primary clarification which is not typical of a wastewater facility. The plant does not have the footprint for traditional clarifiers (multiple 100ft diameter basins) so the high rate primary treatment is well suited for our plant. The clarifiers will remove a great deal of organics as well as suspended solids which will help the RBC's perform better and help the plant better treat during peak flows. This project was approved by the Board in October 2018 and construction cost is \$15.1 Million. Construction began in January of 2019 and completion is expected in the Spring of 2021. Prior to design, Staff looked at three high rate technologies and pilot tested all of them. It was found that Actiflo worked best for the District. Mr. Carson presented slides and explained this process. There was discussion regarding the type of coagulant and concentration used and whether it can be incinerated. Mr. Carson stated that the coagulant will most likely be Ferric since Alum is believed to have negative effects on the incinerator emissions. Mr. Carson presented a slide of a 3D model of the High Rate Primary Treatment prepared by CDM, the District's consultant for this project, and slides of the demolition work completed to date.

Mr. Carson reviewed the Thickener Building MCC (Motor Control Center) Replacement which will be coming up in this fiscal year. The thickener building is located on the north end of the

plant. The thickeners receive sludge from the intermediate clarifiers and filter backwash from the AquaDisk Filter building. The solids are conveyed to the two tanks which have a very low velocity that promotes settling. The solids are then pumped off the bottom of the tank and sent to the incinerator building for processing. He presented slides showing the sludge pumps and MCC inside the building. The sludge pumps are powered and controlled by the MCC. The MCC is approximately thirty years old and replacement parts are expensive and difficult to find. The construction estimate for this project is \$100,000.00.

Mr. Carson reviewed The Biological Treatment which will be either an upgrade or complete replacement of the RBC's. It is a future project and is being driven by water quality regulations, specifically the NPDES (National Pollutant and Discharge Elimination System) permit. This is the permit that allows discharge of effluent to the French Broad River. The permit that was just renewed and became effective in October of 2018 does have an ammonia limit which the District has never had before. The RBC's were not designed to remove ammonia and additionally they are 30 years old and close to the end of their useful life. Design for this project is currently 5 years out and construction is estimated to be about 8 years out. Staff does anticipate a very high construction cost of approximately \$50 million. Mr. Martin asked if this project would be to retrofit what is there or do something else altogether. Mr. Carson stated that there would be a couple of years of testing before that can be determined. Mr. Hartye stated that after these other projects are done the wastewater will be tested and then determine what technology is needed to get us where we need to be. There was much discussion regarding how the other projects at the plant will help determine what is needed for the Biological Treatment. Mr. Carmichael asked when the last RBC's were purchased and what does an RBC unit cost. Mr. Carson stated within the last 2 years and that the cost for a new unit can be as much as \$250,000.00 each. Staff has been able to track down used RBC units that are in very good condition for approximately \$15,000.00 each. Mr. Carmichael asked how many were purchased. Mr. Weed stated that there are 40 in place and 20 in storage.

Mr. Carson stated that approximately \$47 Million has been spent in capital improvements at the plant over the last 20 years. Looking to the next 10 years, including the Biological Treatment Project, expenditures are estimated at \$63 Million for a total of \$110 Million over 30 years.

Mr. Bradford then reviewed the financial aspects of the Capital Improvement Program. He stated that the total budget for this fiscal year is \$50.8 Million; and since we operate with a balanced budget, expenditures are also estimated at \$50.8 Million, with about two-thirds of the budget is dedicated to capital reinvestment. MSD is not a land-use planning agency, this is up to our member agencies. However, MSD must plan for growth and provide system capacity. Mr. Bradford showed a list of rehabilitation projects in the ten-year CIP which have a significant growth component and are estimated at approximately \$67 Million.

Mr. Bradford presented a snapshot of the ENR Construction Cost Index and explained the inflationary component for future years. The District uses the 20 City Average and the average change over the past 10 years which is 2.9% for this budget cycle. Estimates for all projects within the current fiscal year are based on current prices and costs are updated each year. FY20 is not inflated. He then presented a snapshot of the next 10 years with total expenditures estimated at approximately \$333 Million. Interceptor and Wet Weather Rehabilitation is at about \$87 Million, Collection Rehabilitation is at about \$126 Million, Treatment Plant and Pump Stations are at about \$118 Million and Reimbursement Projects are at about \$1.6 Million. He also pointed out that from Consolidation through the end of FY 18, MSD has reinvested over \$397 Million back into the system.

Mr. Bradford reported that the District did an HVAC study this previous year. The systems in this building are starting to age out, approaching 20 years. They have been maintained as best as possible but certain core components are needing replacement. The new systems are more efficient and will be managed by our existing control system. There will be a phased approach over two fiscal years with the cooling tower being first.

Mr. Bradford stated that Reimbursement Projects include NCDOT betterments (the District is only required to pay for betterments); Craigmont Road Annexation in Black Mountain; and various forms of reimbursements for FY19-20 such as the two phases of Olivette Development and 17 N. Market Street.

Mr. Bradford stated that MSD has made significant progress over the past nineteen years and presented a chart showing the reduction in SSO's. In 2000 there were 288 SSO's. In 2018 there were 25.

Mr. Bradford then presented information regarding MSD's website and stated that a copy of the proposed CIP budget has been posted on the website for public viewing and comment. He also gave a special thanks to Staff Engineers; Angel Banks, Right of Way Manager; Cheryl Rice, Finance Department; Pam Nolan, Right of Way Department; and the GIS Section. He then asked for any questions or comments. Mr. Jones stated that as always, this was a good presentation. Mr. Watts stated that he also appreciated this presentation. There were no further questions.

3. Capital Improvement Program Priorities & Review of the Ten-Year CIP Document

Mr. Bradford presented the Ten-Year CIP Summary document and stated that there were 89 projects and line items in several areas. He stated that the Summary Sheet is also organized by municipality. The entire document may be found on-line, including information on each project and a map. He stated that project costs are based upon bid prices we have seen over the last calendar year. There are 9 Interceptor and Wet Weather projects this year with an estimated budget of \$5,514,370. There are 70 General Sewer Rehabilitation projects totaling \$8,085,700. There are 3 Private Sewer Rehabilitation projects coming totaling \$6,500. There are 13 projects under Treatment Plant, Pump Stations and General Capital Improvements totaling \$11,756,250. The total amount projected for Design, Right of Way and Construction Management Expenses for next year is \$2,795,998. He stated that the subtotal for the proposed budget for FY19-20 is \$28,158,818. A flat contingency of \$1,000,000 is proposed, which has worked well and provides sufficient reserve. Reimbursement funding of an additional \$736,000 is recommended. This brings the total proposed CIP Budget for FY19-20 to \$29,894,818 and is the amount for which staff is seeking the Committee's endorsement.

There were no further questions.

Mr. Pelly moved to approve Staff's recommendation of Endorsement of the CIP Budget for FY19-20 in the total amount of \$29,894,818. Mr. Watts seconded. Voice vote was unanimous in favor of the motion.

There was no further business or discussion. The meeting was adjourned at 10:00 a.m.

PERSONNEL COMMITTEE MEETING

April 30, 2019

9:00 a.m.

1. Call to Order

Jackie Bryson called the meeting to order at 9:05 a.m. in the W.H. Mull Building of the Metropolitan Sewerage District. In attendance were the following members: Jim Holland, and Earl Valois. Also present were Jerry VeHaun, Jacqueline Grant, Tom Hartye, Jim Hemphill, Scott Powell, and Pam Thomas.

2. Inquiry as to Conflict of Interest

Mrs. Bryson stated there was none at this time.

3. Human Resource Activities

Ms. Thomas reviewed several areas of activity within the Human Resource Department: an organizational chart showing a total of 151 full time employees, and a chart on the number of full-time employees since FY 2000. She also presented demographic information showing 4 vacancies; Charts showing that the average MSD employee is 46 years old and averages 12.5 years of service; the turnover rate for last year was 9.33% totaling 14 people. Over a ten-year span there were 36 (2.4%) retirements and 34 (2.28%) resigned or dismissed. Mr. Holland asked if the employees that left, were in the lower or upper levels. Ms. Thomas stated the majority were entry level jobs. Mr. Holland asked what the dollar amount of the lowest paid employee. Ms. Thomas said it was \$13.08 per hour. Mr. Valois asked if we conducted an exit interview and what is usually being said during them. Mr. Hemphill stated we asked about supervision, training, benefits, etc. and rarely get anything negative. We share the information with the General Manager and Division Directors. Mr. Valois asked how the District's retention rate compare to others within the State. Mr. Powell stated that the City of Asheville's turnover rate is 20%. Our turnover rate is very good and considerably lower than many. A discussion followed about entry level paid amounts.

Ms. Thomas also presented information on our updated employee group photo, one employee left to go into the US Marines, classes on legal loading of dump trucks and trailers along with chain saws, CPR training, Social Security and Medicare classes for age 60 and over, different generations in the workplace, and employee picnic. Mr. Valois asked if we do any AED training. Mr. Hemphill stated that we do, and we have AED placed on many of our trucks and are located throughout our facilities. Mr. Valois asked if we have a succession plan in place and what does that entail. Ms. Thomas stated we do have a plan that has been in place for awhile. We interviewed all employees and have training available as needed. A discussion followed on our process of internal training for promotions. Mr. Valois also asked about our probationary period. Mr. Hemphill stated we have a six months probationary period and the supervisors and managers take this seriously as to whether they will stay after that period. Mr. Hartye stated that if an employee is not performing we use the probationary period to dismiss them.

4. Pay Adjustment/Consideration of Self-Insured Health Plan

Mr. Hemphill presented staff recommendations of a 2.5% wage adjustment for all employees, a 6.5% increase for the Self-Insured Medical Plan, and a 15.5% increase in state required contributions for the NC Retirement Plan. Our recommendations have the support from the Management Team as well as the Employee Advisory Committee.

Mr. Hemphill presented some medical trend information which included:

- The goal is to keep a strong workforce with an excellent benefits package and reasonable customer rates. Staff performs a lot of research and provides a recommendation to the Board.
- The 15.5% increase for Retirement fund is state mandated. An increase is planned to happen every year until a desired level fund is achieved.
- Average age of employees is 46 and average years of services 12.5. This gives MSD time to plan.
- Projected cost for medical, dental, and drug cost is \$2.7 million. MSD's cost has been in line with the medical inflation trend.
- Medical services trend estimated to be 6 – 7% for 2019. Drug cost estimated to rise by 7-9% and Specialty drugs exceeding 20% increases.

Staff has taken several actions to flatten our insurance cost:

- MSD has a direct agreement with Park Ridge Hospital.
- We use the Asheville Project Model for chronic conditions.
- Hired a new Pharmacy Benefits Manager (Southern Scripts) to help reduce our drug spend.
- Nurse Practitioner comes in, once a week, at no cost to employee.

Staff's request for a 2.5% wage adjustment is based on several factors: the cost of living as shown by consumer price index (CPI-W), the local labor market, national trends, local agencies and similar utilities.

- The CPI-W for the South Urban region increased to 1.5% from December 2017 to December 2018.
- State level raises between 3.0% - 3.99%.
- Western Carolina Industries show a 2.8% increase.
- Local and peer agencies shows an average of 3.3%.

Mr. Valois asked if entry levels are required to have a High School Education. Mr. Hemphill stated that we prefer but for entry the do not need. To progress within the company the employee will need to pursue at least a GED. A discussion followed about recruiting processes and outreach to get applicants. Mr. Holland asked if the 6.5% increase was just for the District, and that employees have no increase? Mr. Powell stated no increase in employees' premiums due to a network change from Cresnet to Medcost. With Medcost we anticipate a 10% reduction in claims cost. The change in network was to accommodate employees seeking services in Raleigh or Charlotte; Medcost has a wider range of in-network service locations. Mr. Holland asked if we use a broker. Mr. Powell stated we use ECM Solutions. Mr. Hartye stated that we bring medical and wage adjustments together for Board review. There may be some years that premium cost could increase and therefore we need to consider the changes along with pay increases.

Mr. Powell stated that the 15.5% contribution to the State Retirement Plan will also see another 15.5% increase next year. Mr. Holland asked if that included the 6 % employees' contribution. Mr. Powell said that is just the District's contribution increase. Mr. Valois asked if there were any thought in increase the employees' contribution to a higher level. Mr. Powell stated it has been the same amount for 20 years and we have no jurisdiction over the amount to contribute.

Fiscal Impact:

The proposed salary and benefit adjustment costs are approximately \$564,000 higher than last years' budget.

5. Recommendation:

Mr. Holland moved, and Mr. Valois seconded the recommendation that the Board approve a 2.5% wage adjustment for all employees, 6.5% increase for the Self-Insured Medical Plan, and 15.5% increase in state required contributions for the NC Retirement Plan.

Mrs. Bryson called for the vote. It was unanimous in favor of the motion.

6. Other

Mrs. Bryson stated there was no other business at this time.

7. Adjourn

With no further business, Mrs. Bryson adjourned the meeting at 9:45 AM. No future meeting has been scheduled.

Finance Committee Minutes

May 2, 2019

Call to Order

The Finance Committee of the Metropolitan Sewerage District met in the Boardroom of the Administration Building on Thursday, May 02, 2019. Chairman Kelly presided and called the meeting to order at 9:00 am with the following members present; Al Whitesides, Jackie Bryson, and Gwen Wisler.

Others present were Board Member Jerry Vehaun, Thomas Hartye, General Manager; Scott Powell, Director of Finance, and Jim Hemphill, Director of Human Resources.

1. Third Quarter Budget to Actual Review

Scott Powell started with a PowerPoint presentation of the Third Quarter Budget to Actual by saying that domestic revenues are slightly above budgeted expectations, while industrial revenues are exceeding budgeted expectations due to the increased flow from one industrial user. Facility Fees are higher due to receiving unanticipated revenue from three (4) commercial/residential developers of \$1.9 million. Investment and miscellaneous income are performing better than expected due to the amount of money on hand in addition to the current market yield. Operation and Maintenance expenditures include encumbrances, so they are a little below 72%, with monies expected to be spent by the end of the fiscal year. Year-end projections are in line or better than budget expectations for domestic, industrial revenue, and facility fees. Expenditures will be in line with the budget. CIP expenditures will be lower than budget. This is due to the timing of the Plant High Rate Primary Treatment. Amounts not spent in the current year have been budgeted in next year's CIP.

2. FY2020 Proposed Budget

Mr. Powell continued with highlights of the FY2020 Proposed Budget. The Operations and Maintenance budget is \$16.92 million, CIP \$29.89 million, Capital Equipment Replacement \$1.05 million, and Debt Service \$9.83 million for a total of \$57.70 million.

Operations & Maintenance budget includes a 3.75% increase in salaries and benefits with a total budget impact of \$516,386. This includes a 2.5% salary increase for all employees, a 6.5% increase in self-insurance funding, GASB 75 OPEB funding, unemployment compensation funding, and a state mandated increase in North Carolina Retirement funding of 15.5%. Materials, Supplies, and Services include a 1.9% increase of \$124,356.

Finance Committee Minutes

May 2, 2019

Mr. Powell next discussed information on Personnel Growth and Trends in Health Care Cost. Personnel Growth has trended downward since 2001 with current staffing holding steady at 151 employees. Health Care Costs are trending below medical inflation.

Operation and Maintenance expenses have increased an average of 3.1% over the past 9 years, while averaging 96.1% Actual-to-Budget Ratio. This is primarily due to the deferred utility costs which is a direct result of operations of the hydroelectric facility. The FY2020 proposed Capital Improvement Program budget is \$29.89 million. The majority of the money will be spent for collection rehabilitation and treatment plant.

Major Capital Improvement projects for FY2020 are \$9.23 million on the High Rate Primary Treatment project, Weaverville Force Main of \$2.43 million, Christian Creek Interceptor at \$1.95, Carrier Bridge Pump Station Replacement at \$1.56 million, Walnut Street at Rankin Avenue at \$1.34 million, and South French Broad Interceptor Lining project at \$833,000.

Capital Equipment Replacement includes Operations & Maintenance at \$138,560; Fleet Replacement requests at \$557,000; Pump Station Replacement at \$60,000, and Water Reclamation Facility \$298,000.

Mr. Powell reported Long Term Bonds Payable increase as the need for CIP funding arises. When bonds are issued, funds are made available to unrestricted reserves through reimbursement resolutions and are used for future CIP needs.

The District's debt composition as of June 30, 2019 will be \$105.6 million in total, with 73% (\$77.55 million) in traditional fixed income, and 27% (\$28.07 million) in synthetic fixed debt. FY2020 debt service is \$9.83 million, which consists of \$5.86 million in principal and \$3.97 million for interest.

Budgeted revenue highlights include .75% growth in residential users, .75% increase in domestic consumption, sewer system development and tap fees budgeted at \$2.2 million, and a 2.25% rate of return on investments. To maintain a balanced budget, proposed revenues of \$57.7 million are made up of \$34.5 million (59.7%) in domestic user fees, \$3.5 million (6.0%) in industrial user fees, and \$15.5 million (26.9%) other sources and uses.

Finance Committee Minutes

May 2, 2019

3. Business Plan

The Business Plan covers the long-term (ten-year) plan for projected sewer rates and revenues, operating expenses, CIP needs, and debt coverage ratio. Staff uses the District's master plan objectives, regulatory requirements, debt service requirements, the CPI, and other indexes to decide on the level incremental sewer rate increases and equalize the rates over the 10-year period. Budget assumptions used include 0.75% growth in residential users, 0.75% increase in domestic consumption, facility and tap fees budgeted at \$2.2 million, and a 2.25% rate of return on investments.

In the next ten years, the District will be investing \$332.4 million into its infrastructure. From consolidation through June 30, 2018, the District has invested \$397.4 million in infrastructure. The CIP Program is made up mostly of collection system rehabilitation funding at 38% and 35% in the treatment plant, respectively.

Additionally, the District's business plan projects three (3) debt issuances over the course of the next 10 years as well as 2.5% to 2.75% projected increases for the ratepayers. Debt coverage ratios will exceed the 1.5% target rate. Additionally, capital assets, net of accumulated depreciation as of 2018 are over \$432.7 million as a direct result of CIP funding.

4. Rate Information

Mr. Powell stated the District uses NACWA as an information source because they give average monthly bills, including both flow and maintenance costs. Based on data for EPA Region IV – Southeast, the District's average monthly residential bill compares favorably. Additionally, the District's average monthly bill compares well to other North Carolina AA and AAA sewer providers.

Staff recommends no increase in Sewer System Development Fees and Sewer Connection Fees change in accordance with staff recommendations; a 2.5% increase in the Domestic Rate; this would be an 81-cent increase in average single-family monthly bill bringing the average bill from \$31.36 to \$32.17. Additionally, staff recommends continuing the Industrial rate parity plan, which includes a 4.0% average increase for the industrial user and incorporates the 2.5% domestic rate increase.

The District's proposed rate increase is to provide funding for the CIP Program, maintain favorable debt service ratio to minimize future interest expense, and to keep rate increases small and uniform per industry standards and previous District Board directions.

Finance Committee Minutes

May 2, 2019

In closing, Mr. Powell gave special thanks to Division Heads, his finance team, and Teresa Gilbert, Budget Analyst.

Chairman Kelly asked Mr. Powell what happens to the excess Facility Fees collected over budget. Mr. Powell stated that since this is an impact fee, state statute requires the amounts to be restricted. These amounts only can be spent to rehabilitate the collection system and pay off existing debt.

Recommendation for Proposed FY20 Budget and Schedule of Rates & Fees for FY20

Following Mr. Powell's presentation, Chairman Kelly called for any questions or comments. With no further questions, Gwen Wisler moved to recommend the Proposed FY19 Budget and Budget resolution to the Board of Directors. Chairman Kelly seconded. With no further discussion, the motion was carried unanimously. Finally, Gwen Wisler moved to recommend the Schedule of Rates & Fees to the Board of Directors; Mr. Whitesides seconded the motion. With no further discussion, the motion carried unanimously.

Adjournment

With no further discussion, Chairman Kelly called for adjournment at 9:35 am.

Metropolitan Sewerage District of Buncombe County

BOARD ACTION ITEM

BOARD MEETING DATE: May 15, 2019

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

REVIEWED BY: Billy Clarke, Esq. - District Counsel

PREPARED BY: Ed Bradford, P.E. - Director of Engineering
Kevin Johnson, P.E. - Planning & Development Manager

SUBJECT: Consideration of Reimbursement Agreement - Lee Creek Master Plan Interceptor (Olivette Development Phase 2), MSD Project No. 2018116

BACKGROUND: This reimbursement agreement is for the installation of a new Master Plan Interceptor to serve the Lee Creek Basin in Woodfin and Buncombe County. Olivette Development, LLC (Olivette) proposes to install this new 18-inch line in accordance with the District's Collection System Master Plan.

The District Board approved a reimbursement for the upsizing of the pump station and force main at its regular meeting on November 15, 2017. The construction of these is nearly complete. Upon full completion, staff will bring this first phase of the project to the Board for acceptance and for approval of the reimbursement.

The interceptor will begin at the newly constructed pump station and extend through the Olivette property along Lee Creek a distance of approximately 3,514 linear feet. The line will initially serve the residential and commercial development in Olivette, and then the greater Lee Creek Basin over time.

An eight-inch line would serve Olivette's needs; however, an eighteen-inch line will be required to serve upstream areas in the Lee Creek Basin, in accordance with Master Plan. Therefore, the 18-inch line qualifies for *Additional Capacity Reimbursement*.

Under *Additional Capacity Reimbursement*, a developer who is required to construct a larger line than is necessary for their own development, in order to serve additional areas, is eligible for reimbursement of the increased construction cost. In this case, the increase is \$324,510.00.

This amount represents the differential cost of upsizing to an 18-inch interceptor. Staff obtained independent price quotes from multiple contractors, who are not associated with this project, as part of the cost estimation process.

Please refer to the attached documentation for further details.

FISCAL IMPACT: The proposed FY19-20 construction reimbursement budget for this portion of the Olivette project is \$350,000.00.

The proposed lump-sum payment of \$324,510.00 will not be issued to the developer until the interceptor project is complete, fully closed out, and accepted by the District Board as a public system.

STAFF RECOMMENDATION: Staff recommends that the District enter into a reimbursement agreement with Olivette Development LLC, in the amount of \$324,510.00, subject to review and approval by District Counsel.

STATE OF NORTH CAROLINA)	AGREEMENT REGARDING
)	CONSTRUCTION OF AND
COUNTY OF BUNCOMBE)	REIMBURSEMENT FOR INCREASED
)	CAPACITY FOR GRAVITY MASTER
)	PLAN LINE TO SERVE LEE CREEK BASIN

THIS AGREEMENT, made this ____ day of _____, 2019, by and between the **METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY** (hereinafter sometimes called “**MSD**” or the “**District**”), a North Carolina public body and body politic and corporate created and established under the provisions of the North Carolina Metropolitan Sewerage Districts Act, Chapter 153, Article 25, Sections 153-295 to 153-324, inclusive (succeeded by Chapter 162A, Article 5, Sections 162A-64 to 162A-81, inclusive) of the General Statutes of North Carolina; and **OLIVETTE DEVELOPMENT, LLC** (hereinafter sometimes called “**Olivette**”), a corporation organized under the laws of the State of North Carolina with its principal office and place of business in Greensboro, N.C.

WHEREAS, MSD maintains and operates a system of interceptor and collector sewer lines and a wastewater treatment facility which treats wastewater generated within and without the boundaries of the Metropolitan Sewerage District which system of interceptor and collector sewers and wastewater treatment facility, together with additional facilities which may be acquired by **MSD** is sometimes herein referred to as the “District Sewerage System”; and

WHEREAS, MSD has had prepared a master plan for its system of interceptor and collector sewers (the “Master Plan”), and the Master Plan calls for the construction of a new interceptor sewer with pipe size diameter ranging as large as 18-inch to serve the Lee Creek Drainage Basin; and

WHEREAS, Olivette owns three tracts (9721233892, 9721159387, 9721437569) totaling approximately 319 acres in the Lee Creek Drainage Basin near the French Broad River (the “Property”); and

WHEREAS, Olivette desires to connect the Property to the District Sewerage System so that the Property may be developed for commercial and residential purposes: and

WHEREAS, the Property is not currently served by sewer, and **Olivette** is currently constructing a pump Station and force main necessary for connection to the District Sewerage System; and

WHEREAS, **Olivette** is willing to pay the cost of constructing an eight-inch gravity collection system built according to **MSD** Standards of sufficient length and capacity to provide sewer service to the Property, but not to the remainder of the Lee Creek Basin envisioned to be served in the Master Plan; and

WHEREAS, **MSD**, in order to facilitate the orderly growth of the District Sewerage System in the Lee Creek Basin, to preserve and promote the health and welfare of the District and to carry out its Master Plan, is willing to pay the estimated difference in cost between an eight-inch line sufficient to serve the Property and the eighteen-inch interceptor line necessary to serve the Property and the remainder of the Lee Creek Basin envisioned to be served in the Master Plan; and

WHEREAS, the **MSD** Board has approved the expenditure of up to \$324,510.00 to pay the cost of upgrading the Lee Creek Master Plan Interceptor Sewer Extension from an eight-inch line to a eighteen-inch line; and

WHEREAS, **MSD** has reviewed plans and specifications from Brooks Engineering Associates for the eighteen-inch Lee Creek Gravity Master Plan Line; and

WHEREAS, **Olivette** is willing to construct a portion of the Lee Creek Master Plan Sewer Extension, provided that **MSD** reimburse **Olivette** for a portion of the costs of said construction; and

WHEREAS, all necessary permits for the construction of the Lee Creek Master Plan Interceptor will be obtained by **Olivette**.

NOW THEREFORE, for good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and the covenants and conditions set forth herein, **MSD** and **Olivette** agree as follows:

1. **Olivette** will contract with a well-qualified, experienced, and financially sound utility contractor currently licensed in North Carolina and satisfactory to **MSD**, to build the Olivette Phase 2 Gravity Master Plan Line, MSD Project No. 2018116. For the purposes of this Agreement, the portion to be constructed shall be referred to herein as the “Lee Creek Master Plan Interceptor Line.” The Contractor shall be required to provide and maintain in force (until the project is complete) a payment bond and a performance bond in the amount of 100 % of the Lee Creek Master Plan Interceptor Line construction contract amount. **Olivette** and **MSD** shall be named beneficiaries under said bond. The bonds shall meet the requirements of Chapter 44A of the North Carolina General Statutes.

2. The Lee Creek Master Plan Interceptor Line will be constructed in a good and workmanlike manner, in accordance with the plans and specifications prepared by Brooks Engineering Associates and approved by **MSD** dated November 15, 2018 and in accordance with the requirements of all permits. A copy of all permits will be provided to **MSD** prior to scheduling of pre-construction meeting. **MSD** will issue an approved copy of plans and specifications to Brooks Engineering Associates, **Olivette**, and its contractor prior to the pre-construction meeting. The plans, specifications and permits are incorporated into and made a part of this Agreement by reference.

3. **Olivette** and **MSD** acknowledge and agree that the estimated cost of upsizing (from eight-inch to eighteen-inch) that portion of the Lee Creek Master Plan Interceptor across the **Olivette** property to be constructed by **Olivette** is \$324,510.00. **MSD** and **Olivette** agree that **MSD** shall make no additional reimbursement or payments to **Olivette** except as set forth in this Agreement.

4. **MSD** agrees to reimburse **Olivette** the amount set forth in paragraph 3 upon full project completion. Full project completion for the Lee Creek Master Plan Interceptor Line shall be defined as:

- 1) All construction and testing is 100% complete and passing and final inspection approval has been issued by **MSD**.
- 2) All applicable permitting requirements are satisfied,
- 3) Final closeout documents including:
 - Easement Plat to include on-site easements across the limits of the property to be conveyed to **MSD**. The on-site easements shall include a properly sized and sited easement near and generally following Lee Creek for the future extension of the interceptor completely through **Olivette's** properties.
 - Engineer's Certification
 - Engineering As-Built Drawings
 - Contractor's Certification to include one-year warranty
 - Conveyance of Sewer System and Easement Documents
- 4) Conveyance of the Lee Creek Master Plan Interceptor Line and easements therefor to **MSD** and acceptance of same is fully accepted by the Board of the Metropolitan Sewerage District, **MSD**.

Completion shall be determined by the **MSD Planning and Development Section**. Upon full project completion, **MSD** shall notify **Olivette** in writing of such satisfactory completion of the work and **MSD** shall thereafter immediately reimburse **Olivette** as provided in paragraphs 3 and 4.

5. **MSD** will employ construction inspectors, at its expense, to inspect the construction of the Lee Creek Master Plan Interceptor. **Olivette** and its contractor further agree to coordinate all sewer construction activities with **MSD** to facilitate timely completion and restoration of affected areas.

6. Changes to the project made in the field must be reviewed and approved by **MSD** prior to implementation. It shall be the responsibility of **Olivette** and its contractor to make **MSD's** Construction Division aware of any proposed change(s) and to obtain approval for the change(s) from **MSD**. Upon receipt of a request for a change or changes in the project design and/or construction, **MSD** will promptly review such change(s) and shall indicate approval or denial of such change(s) within a reasonable time of receipt thereof and not more than three (3) business days. Any proposed change which shall affect the quality of the design, the integrity of the sewer system, additional costs to **MSD** or any matter involving right of way revisions shall be submitted in writing by **Olivette** and shall be approved/disapproved in writing by **MSD** within a reasonable amount of time not to exceed three (3) business days. To the extent such changes increase the cost of the Lee Creek Master Plan Interceptor construction, **MSD** and **Olivette** shall mutually agree upon reimbursement to **Olivette**, for such increase in cost.

7. Upon completion of construction, **Olivette** will convey the Lee Creek Master Plan Interceptor and associated Easements to **MSD**. Such conveyance will be by instrument in form and content similar to Exhibit A attached hereto. Upon finding the conveyance is in accord with relevant provisions of its bond order, and applicable law, **MSD** will issue approval to record conveyance and subsequently accept such conveyance of the Lee Creek Master Plan Interceptor.

8. This Agreement shall be governed by and under the laws of the State of North Carolina and any litigation hereunder shall be in the General Court of Justice for the 28th Judicial District of North Carolina.

9. This Agreement represents the entire agreement between **MSD** and **Olivette** with respect to the subject matter hereof. Any amendment to this agreement shall be in writing and signed by the parties hereto.

IN WITNESS WHEREOF, the parties have executed this agreement by and through their respective, duly authorized representatives as the day and year first above written.

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

By: _____
Thomas E. Hartye, P.E. General Manager

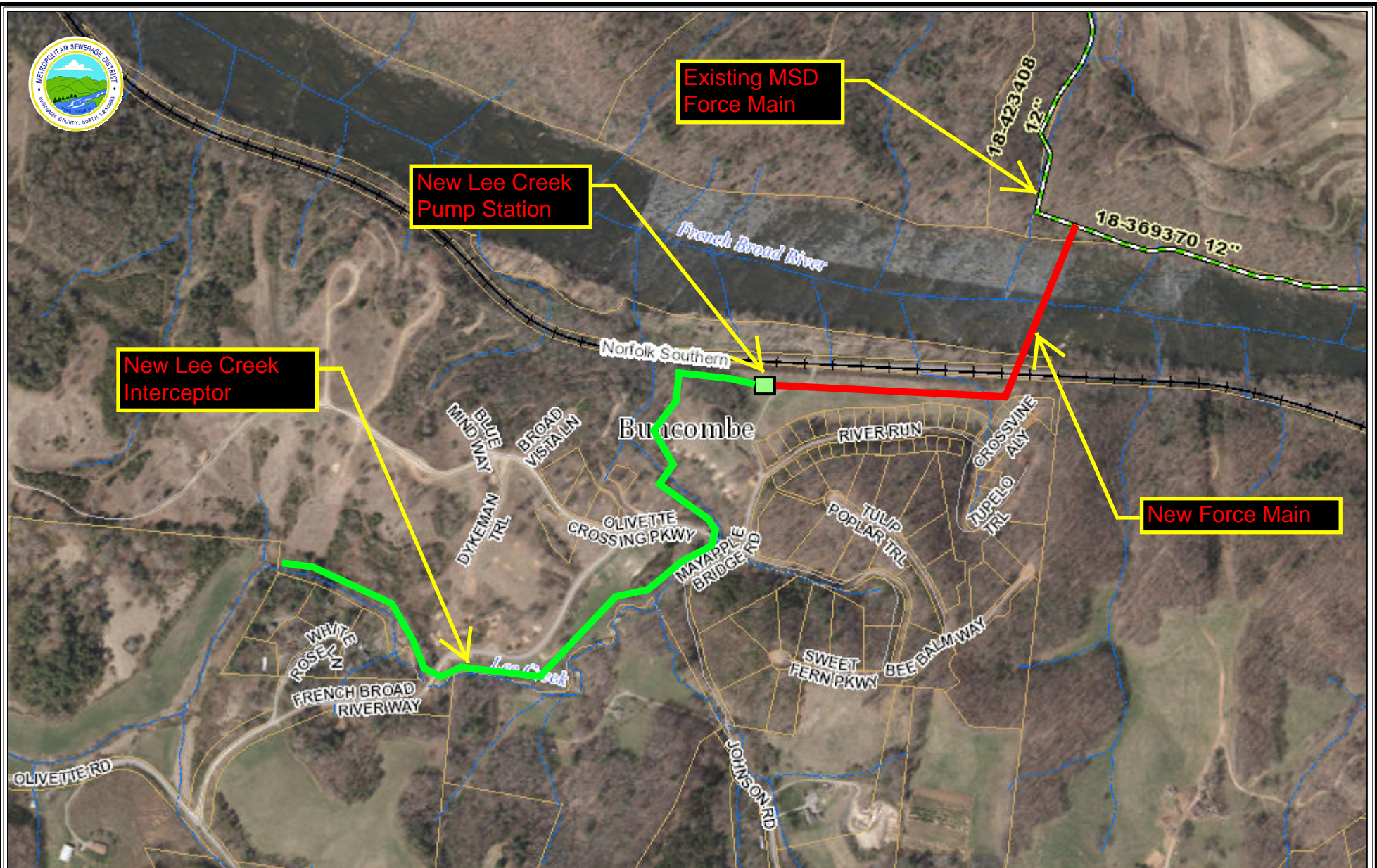
OLIVETTE DEVELOPMENT, LLC

By: _____
Scott Austin, Manager

ATTEST:

W. Scott Powell, MSD Director of Finance

*“This instrument has been pre-audited in the
manner required by the Local Government
Budget and Fiscal Control Act.”*



Lee Creek PS & Interceptor

Author: WEB

1 in = 600 ft

Date: 4/30/2019

The Metropolitan Sewerage District of Buncombe County, NC has prepared these maps based on best available information for use in assisting District maintenance work, service area analysis, and planning. The District does not warrant the accuracy of any of the information shown. Field verification is advised for all information shown on the maps or included with manhole data. No guarantee is given as to the accuracy or currency of any of the data. Therefore, in no event shall the District be liable for any special, indirect, or consequential damages or any damages whatsoever resulting from loss of use, data, or profits, whether in an action of contract, negligence, or other action, arising out of or in connection with the use of the information herein provided. Grid shown is North Carolina State Plane Coordinate System NAD 1983 (North American Datum 1983).

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: May 15, 2019

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

REVIEWED BY: Ed Bradford, P.E. - Engineering Director

PREPARED BY: Kevin Johnson, P.E. - Planning and Development Manager

SUBJECT: Acceptance of Developer Constructed Sewer System for the Atkins Street Development, MSD Project No. 2016009

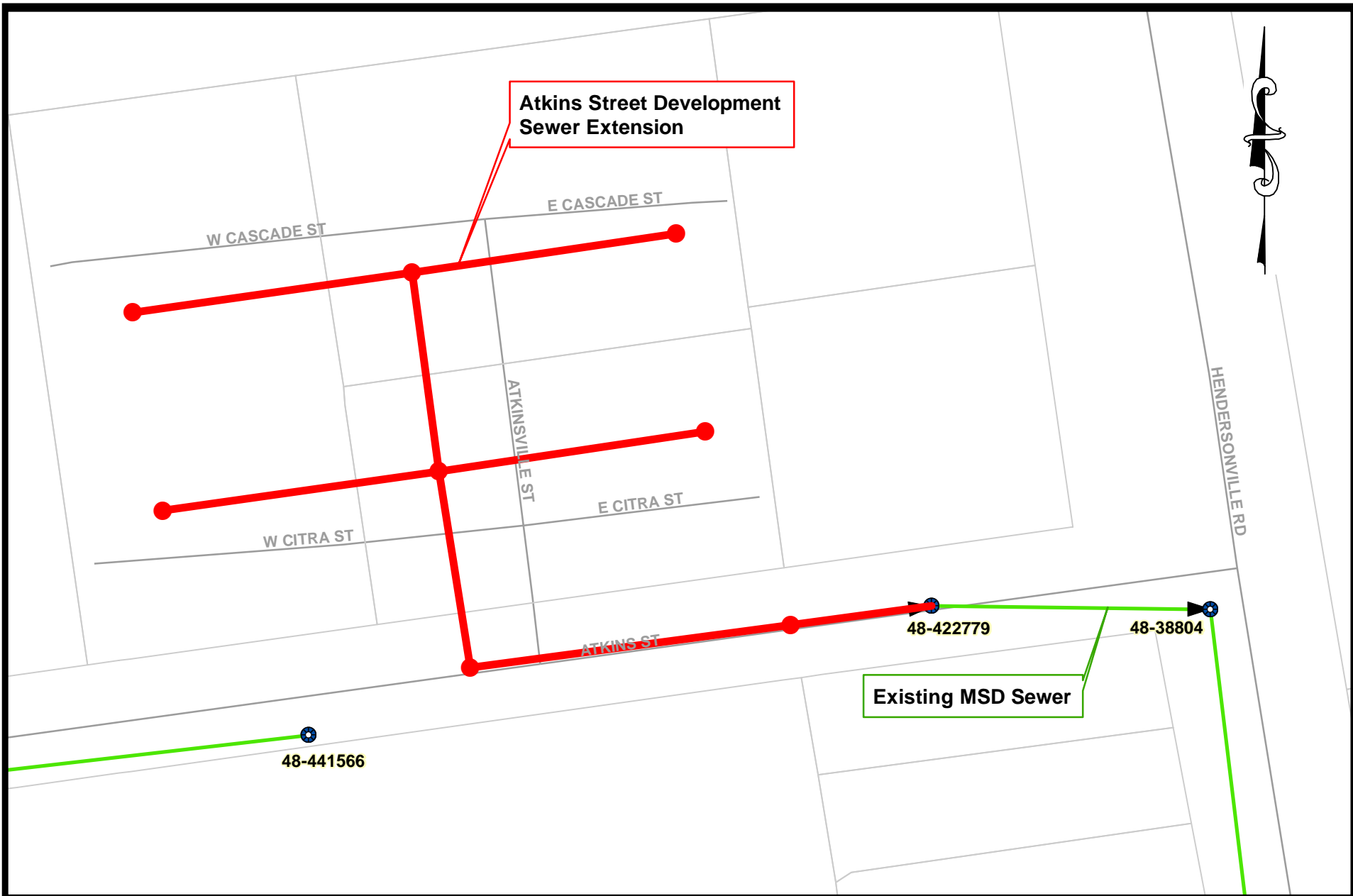
BACKGROUND: This project is located inside the District boundary along Atkins Street near Hendersonville Road in the City of Asheville. The developer of the project is Barry Bialik of Reasonable Development, LLC.

The project included extending approximately 893 linear feet of 8-inch public gravity sewer to serve the forty-five (45) Townhome Residential Development.

A wastewater allocation was issued in the amount of 13,500 GPD for this project. The estimated cost of the sewer construction is \$114,000.00.

All MSD requirements have been met.

STAFF RECOMMENDATION: Staff recommends acceptance of this developer constructed sewer system.



**Atkins Street Development
Sewer Extension**

Existing MSD Sewer

48-441566

48-422779

48-38804



MSD
Engineering Division

**Atkins Street Development Sewer Extension
MSD Project # 2016009**

Metropolitan Sewerage District of Buncombe County

4/30/19

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: May 15, 2019

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

REVIEWED BY: Ed Bradford, P.E. - Engineering Director

PREPARED BY: Kevin Johnson, P.E. - Planning and Development Manager

SUBJECT: Acceptance of Developer Constructed Sewer System for the Greenwood Fields Subdivision – Phase 2, MSD Project No. 2018006

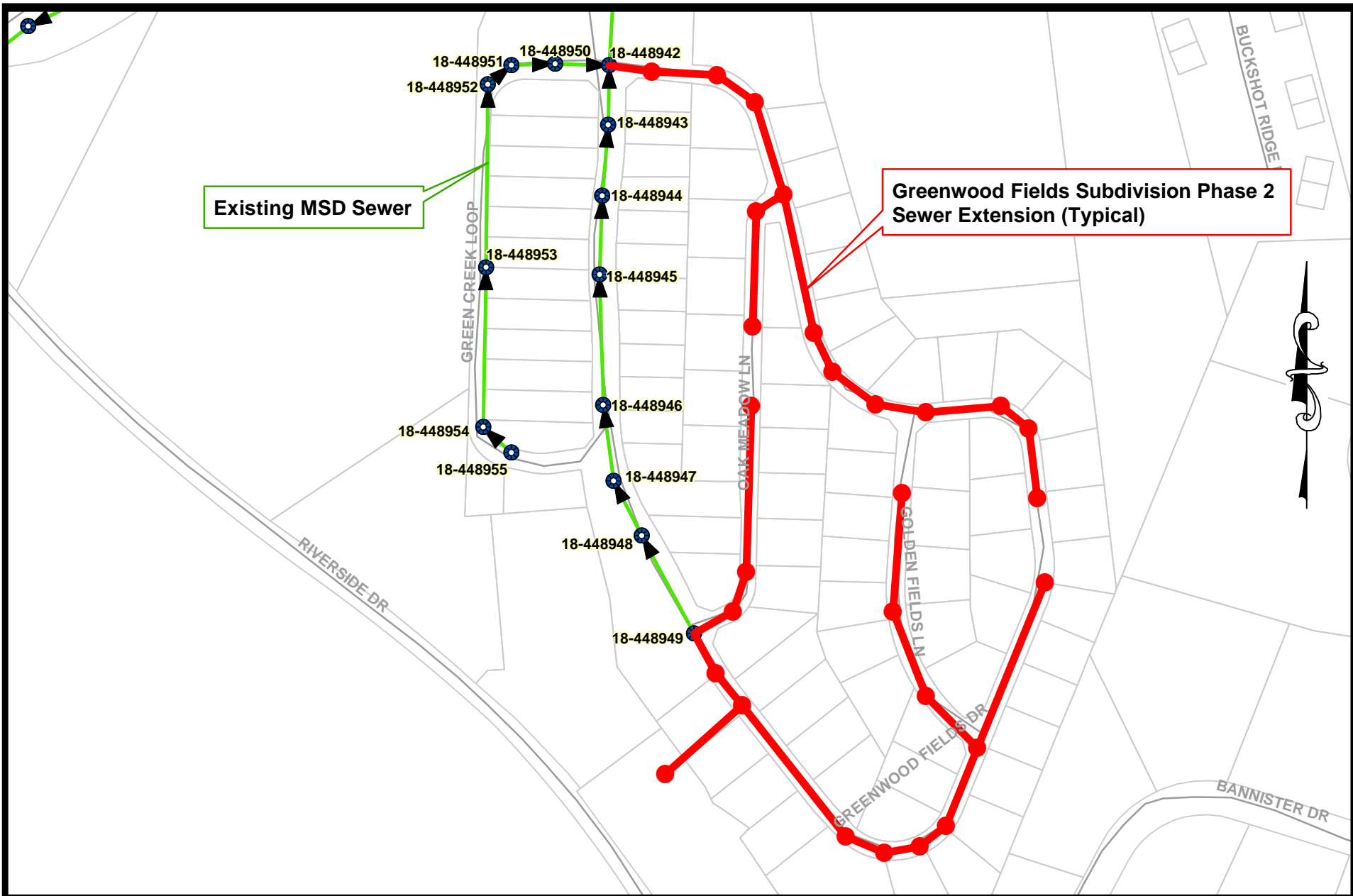
BACKGROUND: This project is located inside the District boundary off Old Marshall Highway in the Town of Woodfin. The developer of the project is Elbert Brown, Jr. of Greenwood Fields, LLC.

The project included extending approximately 2,952 linear feet of 8-inch public gravity sewer to serve this phase of the Single Family Residential Development.

A wastewater allocation was issued in the amount of 19,800 GPD for the 66 residential units for this phase of the development. The estimated cost of the sewer construction is \$132,000.00.

All MSD requirements have been met.

STAFF RECOMMENDATION: Staff recommends acceptance of this developer constructed sewer system.



Existing MSD Sewer

Greenwood Fields Subdivision Phase 2 Sewer Extension (Typical)



MSD
Engineering Division

**Greenwood Fields Subdivision Phase 2 Sewer Extension
MSD Project # 2018006**

Metropolitan Sewerage District of Buncombe County

4/30/19

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: May 15, 2019

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

REVIEWED BY: Ed Bradford, P.E. - Engineering Director

PREPARED BY: Kevin Johnson, P.E. - Planning and Development Manager

SUBJECT: Acceptance of Developer Constructed Sewer System for the Ventana Phase 2A Sewer Extension, MSD Project No. 2016097

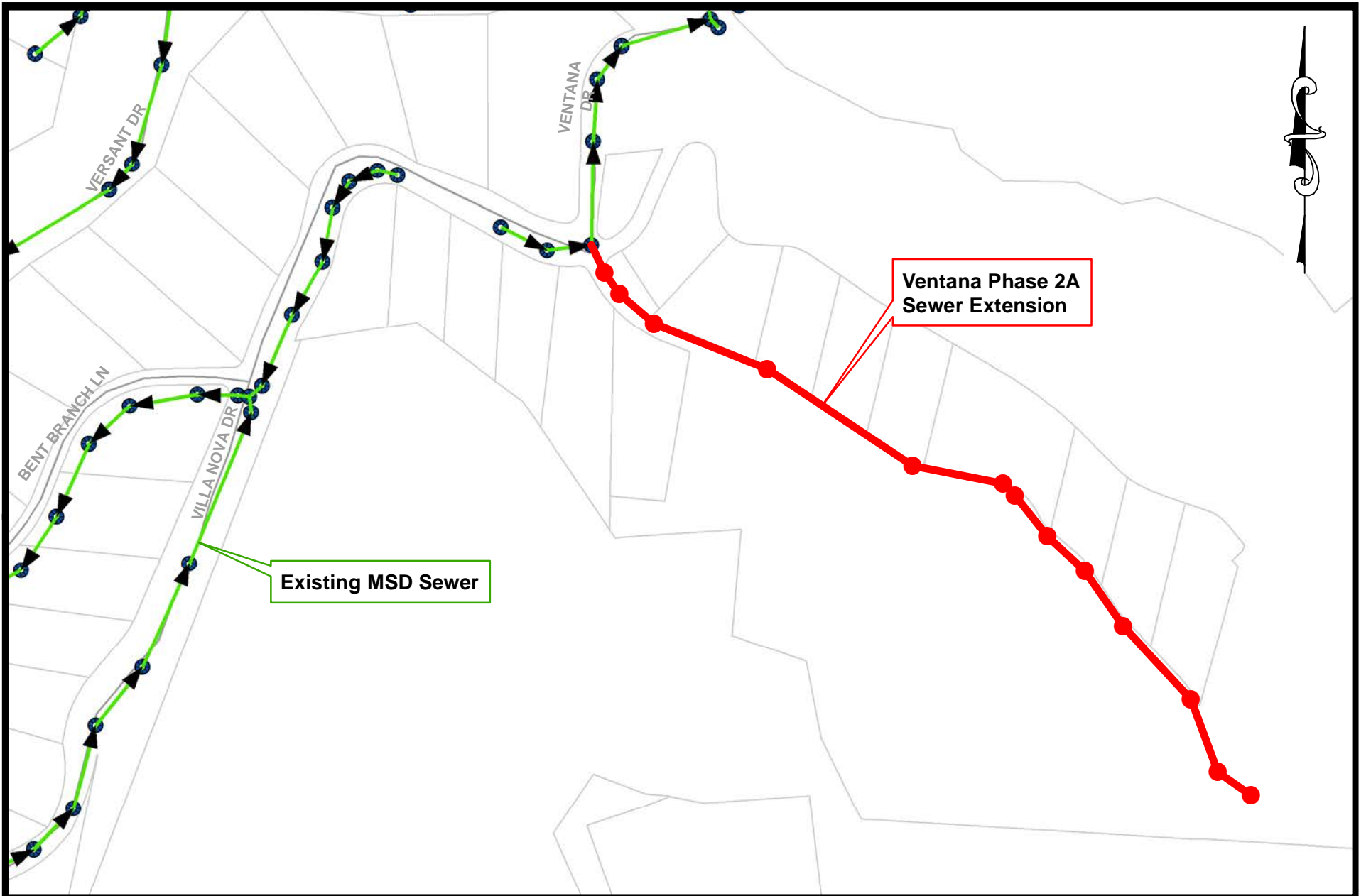
BACKGROUND: This project is located inside the District boundary off Versant Drive in the Town of Woodfin. The developer of the project is Theresa Carroll of Philly Capital Partners, LLC.

The project included extending approximately 1,645 linear feet of 8-inch public gravity sewer to serve this phase of the Single Family Residential Development.

A wastewater allocation was issued in the amount of 6,800 GPD for the 17 residential units for this phase of the development. The estimated cost of the sewer construction is \$98,000.00.

All MSD requirements have been met.

STAFF RECOMMENDATION: Staff recommends acceptance of this developer constructed sewer system.



MSD
Engineering Division

**Ventana Phase 2A Sewer Extension
MSD Project # 2016097**

Metropolitan Sewerage District of Buncombe County

6/19/18

Metropolitan Sewerage District of Buncombe County

BOARD INFORMATIONAL ITEM

Meeting Date: May 15, 2019
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 March 31, 2019

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 March 31, 2019 were \$77,135,060. The detailed listing of accounts is available upon request. The average rate of return for all investments is 2.102% 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 March 31, 2019 do not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of March 31, 2019 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is \$48,669,913.

Total Cash & Investments as of 03/31/2019		77,135,060
Less:		
Budgeted Commitments (Required to pay remaining FY19 budgeted expenditures from unrestricted cash)		
Construction Funds	(10,297,885)	
Operations & Maintenance Fund	<u>(5,253,418)</u>	
		(15,551,303)
Bond Restricted Funds		
Bond Service (Funds held by trustee):		
Funds in Principal & Interest Accounts	(52,998)	
FY19 Principal & Interest Due	<u>(7,088,032)</u>	
		(7,141,030)
District Reserve Funds		
Fleet Replacement	(601,349)	
Pump Replacement	(228,070)	
WWTP Replacement	(256,651)	
Maintenance Reserve	<u>(985,878)</u>	
		(2,071,948)
District Insurance Funds		
General Liability	(180,950)	
Worker's Compensation	(396,762)	
Post-Retirement Benefit	(1,768,802)	
Self-Funded Employee Medical	<u>(1,354,352)</u>	
		(3,700,866)
Designated for Capital Outlay		<u>48,669,913</u>

Meeting Date: May 15, 2019

Subject: Cash Commitment/Investment Report-Month Ended March 31, 2019

Page 2

Staff Recommendation

None - Information Only.

Action Taken

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

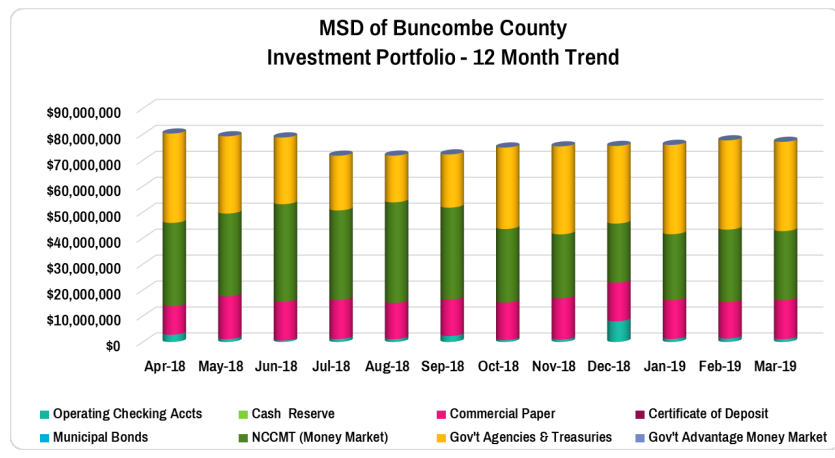
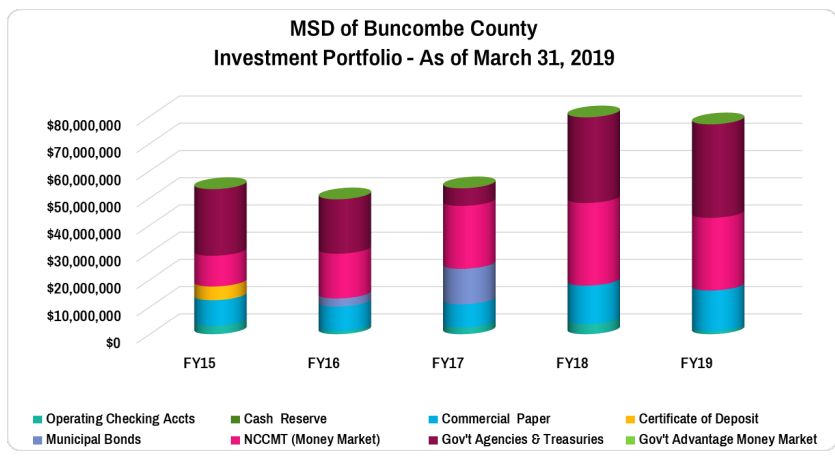
Metropolitan Sewerage District of Buncombe County

Investment Portfolio

Meeting Date: May 15, 2019
 Subject: Cash Commitment/Investment Report-Month Ended March 31, 2019
 Page 3

	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	\$ -	\$ -	\$ 54,681	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,681
Held by MSD	1,104,661	46,681	26,602,801	-	14,952,299	-	-	34,373,937	77,080,379
	\$ 1,104,661	\$ 46,681	\$ 26,657,482	\$ -	\$ 14,952,299	\$ -	\$ -	\$ 34,373,937	\$ 77,135,060

Investment Policy Asset Allocation	Maximum Percent	Actual Percent	
U.S. Government Treasuries, Agencies and Instrumentalities	100%	44.56%	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 2.50% is exceeding the YTM benchmark of the NCCMT Government Portfolio.
Commercial Paper	20%	19.39%	
Municipal Bonds	100%	0.00%	
North Carolina Capital Management Trust	100%	34.56%	
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		1.43%	
Gov't Advantage Money Market		0.06%	



Meeting Date: May 15, 2019

Subject: Cash Commitment/Investment Report-Month Ended March 31, 2019

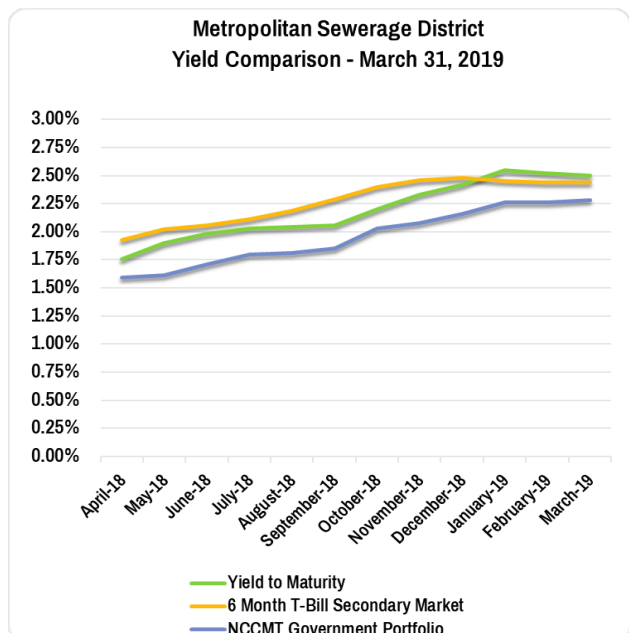
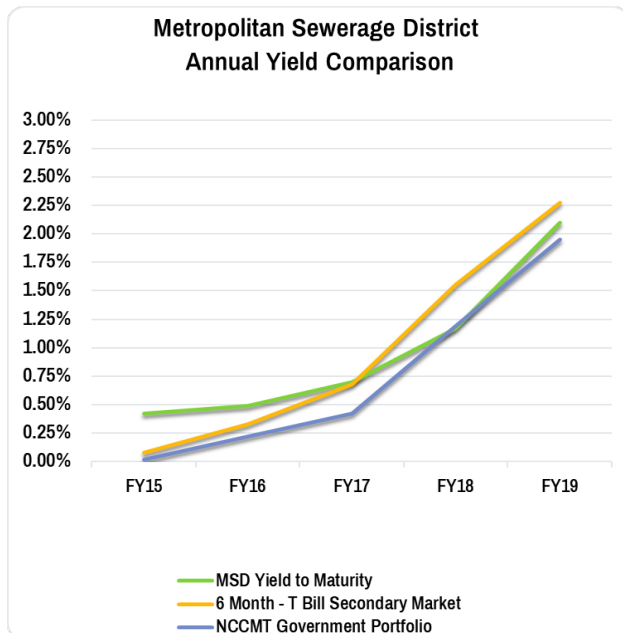
Page 4

**Metropolitan Sewerage District
INVESTMENT MANAGERS' REPORT
At March 31, 2019**

Summary of Asset Transactions			
	Original		Interest
	Cost	Market	
Beginning Balance	\$ 73,641,268	\$ 73,715,850	\$ 206,831
Capital Contributed (Withdrawn)	(457,360)	(457,360)	
Realized Income	95,274	95,274	(48,837)
Unrealized/Accrued Income		12,922	59,925
Ending Balance	\$ 73,279,182	\$ 73,366,685	\$ 217,919

Value and Income by Maturity			
	Original Cost		Income
Cash Equivalents <91 Days	\$ 38,912,363	\$ 63,341	
Securities/CD's 91 to 365 Days	15,435,699	\$ 25,126	
Securities/CD's > 1 Year	18,931,120	\$ 30,816	
	\$ 73,279,182	\$ 119,284	

Month End Portfolio Information	
Weighted Average Maturity	217
Yield to Maturity	2.50%
6 Month T-Bill Secondary Market	2.44%
NCCMT Government Portfolio	2.28%



Meeting Date: May 15, 2019

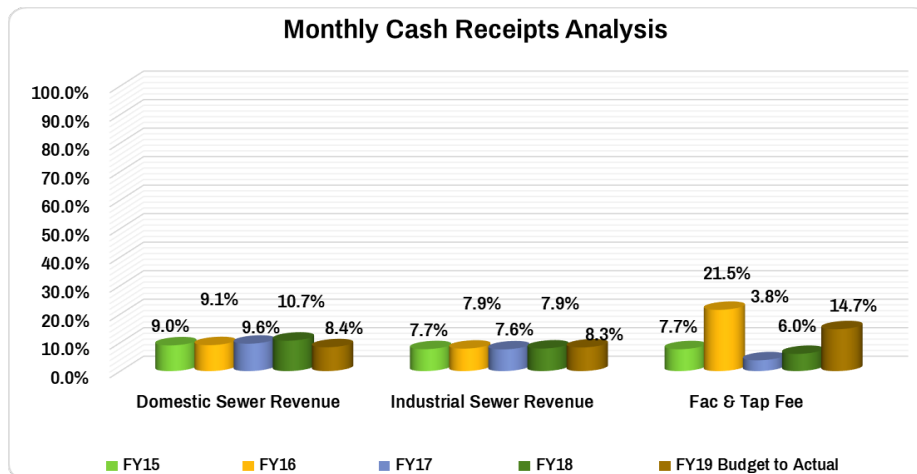
Subject: Cash Commitment/Investment Report-Month Ended March 31, 2019

Page 5

Metropolitan Sewerage District
ANALYSIS OF CASH RECEIPTS
As of March 31, 2019

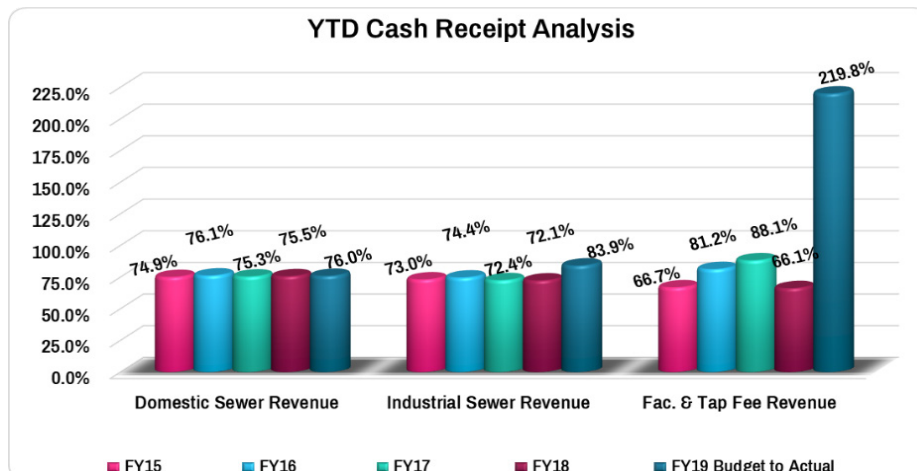
Monthly Cash Receipts Analysis:

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



YTD Actual Revenue Analysis:

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



Meeting Date: May 15, 2019

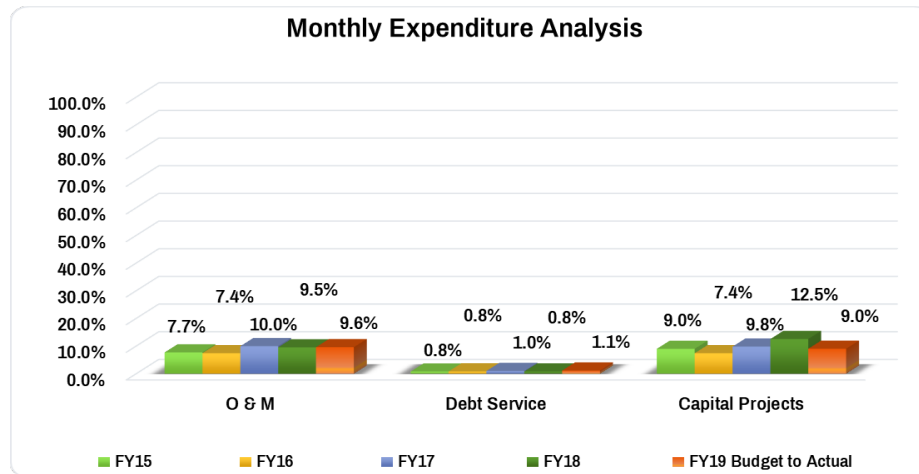
Subject: Cash Commitment/Investment Report-Month Ended March 31, 2019

Page 6

Metropolitan Sewerage District
ANALYSIS OF EXPENDITURES
As of March 31, 2019

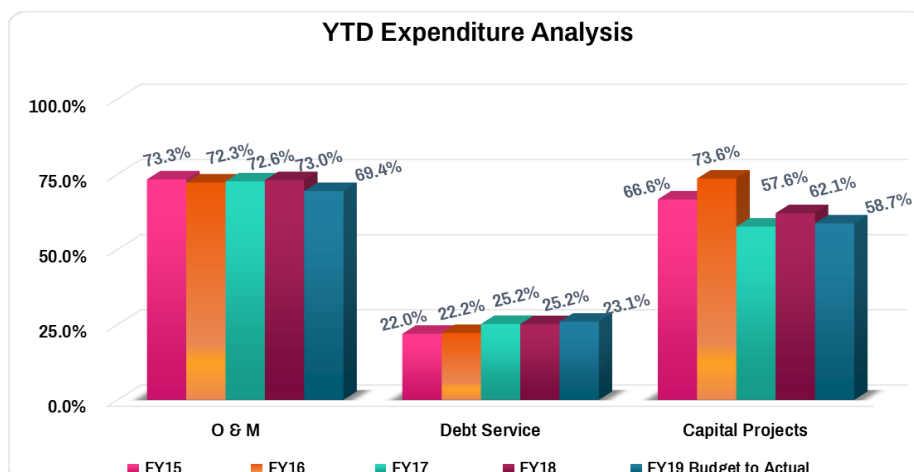
Monthly Expenditure Analysis:

- × 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.

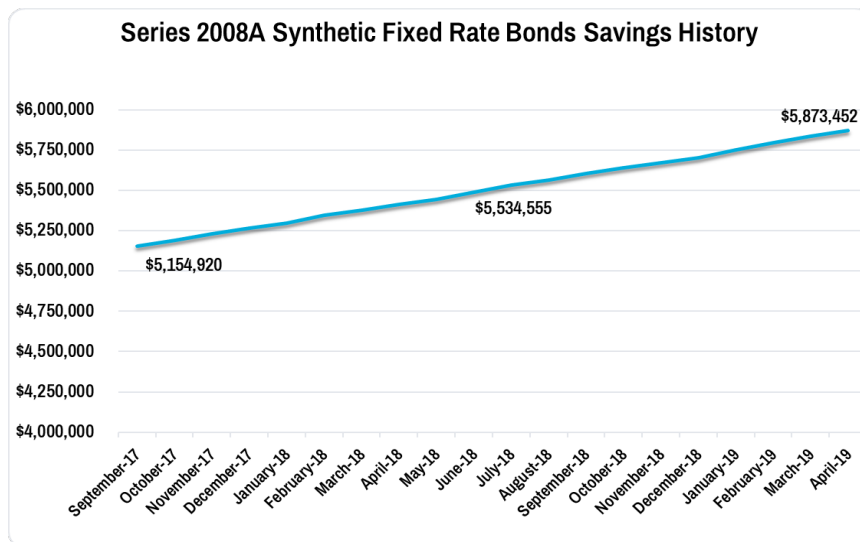
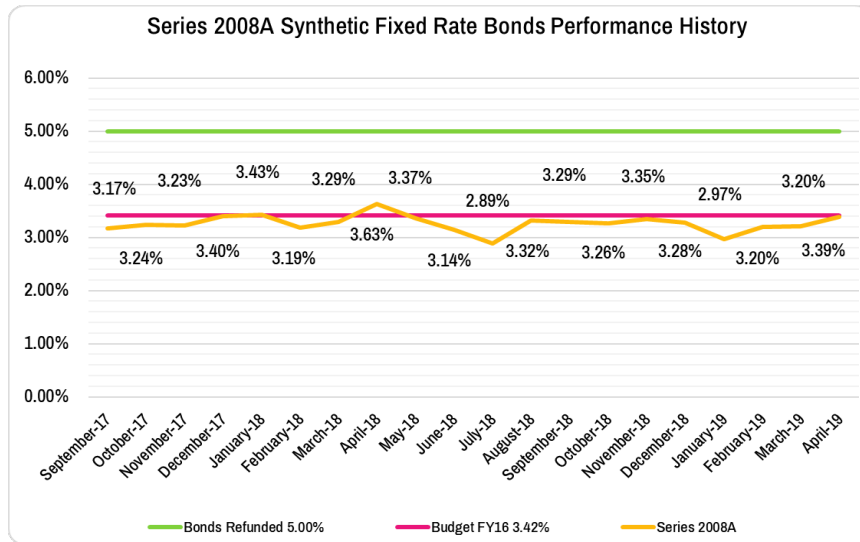


YTD Expenditure Analysis:

- × 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.



**Metropolitan Sewerage District
 VARIABLE DEBT SERVICE REPORT
 As of April 30, 2019**



Series 2008A:

- ☀ Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$5,873,452 as compared to 4/1/2008 fixed rate of 4.85%.
- ☀ Assuming 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 \$2,813,200 to terminate the existing Bank of America Swap Agreement.

Metropolitan Sewerage District of Buncombe County

BOARD ACTION ITEM

Meeting Date: May 15, 2019
Submitted By: Thomas E. Hartye, PE., General Manager
Prepared By: W. Scott Powell, CLGFO, Director of Finance
Reviewed By: Billy Clarke, Legal Counsel
Subject: Consideration of the Resolution Adopting the Preliminary Budget for FY 2019-2020 and the Schedule of Sewer Rates & Fees

Background

The District Budget process must comply with North Carolina General Statutes and the MSD Revenue Bond Order. The Bond order requires that the District adopt its final budget on or before June 15 of each year. The North Carolina General Statutes required that an annual balanced budget ordinance, based upon expected revenues, along with a budget message, to be presented to the governing board no later than June 1 of each year.

Staff/Committee Recommendations

BUDGET:

The Finance Committee unanimously approved staff's recommendation to forward to the Board for approval of the attached [FY2019-2020 Preliminary Budget](#) along with the Resolution.

SEWER RATES & FEES:

The Finance Committee unanimously approved staff's recommendation to forward to the Board for approval of the attached Proposed Schedule of Fees and Charges – FY2020.

Action Taken

Motion by:

Second by:

Other:

Follow-up Required:

to

Approve
Table

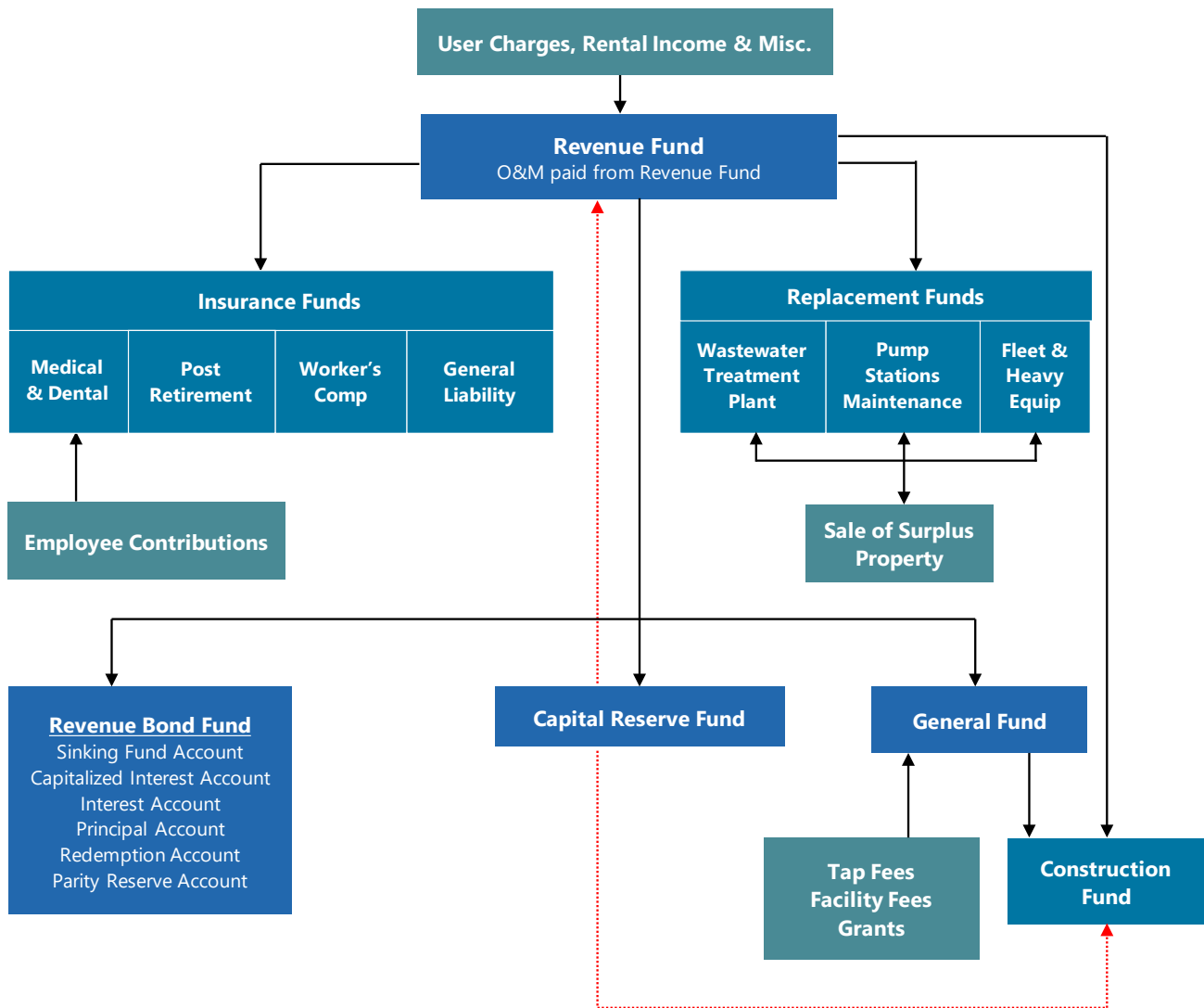
Person Required:

Disapprove

Send to Committee

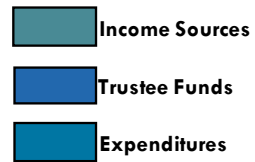
Deadline:

Flow of Funds Chart



Priority of expenditures per Bond Order

1. Current Expenditures
2. Debt Service
3. Capital Reserve
4. Any Lawful Purpose



————— Flow of Funding

..... Flow of Funding if required for emergency repairs or maintenance

Budget Resolution

**Resolution Adopting Preliminary and Sewer Use Charges
For The
Metropolitan Sewerage District
of Buncombe County, North Carolina
For the Fiscal Year July 1, 2019 Thru June 30, 2020**

WHEREAS, the Board of Directors has reviewed the Operations and Maintenance, Bond, Reserves, Construction Expenditures of the District, and the sources of revenue and allocations (uses) of expenditures for the 2019-2020 fiscal year; and

NOW, THEREFORE, BE IT RESOLVED:

1. The following amounts are hereby appropriated in the Revenue Fund for the Operations and Maintenance of the District and for transfers to the Debt Service, General Fund, and Insurance Funds for the fiscal year beginning July 1, 2019 and ending June 30, 2020:

Operating and Maintenance Expenses	\$ 13,362,483
Transfer to Insurance Accounts	\$ 3,430,921
Transfer to Fleet & Heavy Equipment Fund	\$ 500,000
Transfer to Wastewater Treatment Plant Fund	\$ 200,000
Transfer to Pump Stations Reserve	<u>\$ 50,000</u>
Subtotal O&M	\$ 17,543,404
Transfer to General Fund	\$ 22,692,000
	<u>\$ 9,834,367</u>
Transfer to Debt Service Fund	<u>\$ 50,069,771</u>

It is estimated that the following revenues will be available in the Revenue Fund for the fiscal year beginning July 1, 2019 and ending June 30, 2020:

Domestic User Fees	\$ 33,623,113
Industrial User Fees	\$ 3,464,402
Billing and Collection Fees	\$ 832,994
Investment Interest	\$ 1,166,960
Reimbursement for Debt Service from COA	\$ 35,000
Rental Income	\$ 71,641
Appropriated from Net Position	<u>\$ 10,875,661</u>
	<u>\$ 50,069,771</u>

2. The following amounts are hereby appropriated in the General Fund for the transfers to the Construction Fund for the fiscal year beginning July 1, 2019 and ending June 30, 2020:

Transfer into Construction	<u>\$ 29,366,000</u>
----------------------------	----------------------

It is estimated that the following revenues will be available in the General Fund for the fiscal year beginning July 1, 2019 and ending June 30, 2020:

Facility and Tap Fees	\$ 2,175,000
Investment Income	\$ 240,000
Transfer in from Revenue Fund	\$ 22,692,000
Appropriated Net Position	<u>\$ 4,259,000</u>
	<u>\$ 29,366,000</u>

3. The following amounts are hereby appropriated in the Construction Fund for Capital Improvement Plan expenditures for the fiscal year beginning July 1, 2019 and ending June 30, 2020.

Capital Improvements Projects	<u>\$ 29,894,818</u>
-------------------------------	----------------------

It is estimated that the following revenues will be available to the Construction Fund for the fiscal year beginning July 1, 2019 and ending June 30, 2020.

Investment Income	\$ 30,000
Transfer in from General Fund	\$ 29,366,000
Appropriated Net Position	<u>\$ 498,818</u>
	<u>\$ 29,894,818</u>

4. The following amounts are presented as the financial plan of the Insurance Funds that are used to provide insurance services. Estimated operating expenditures for the fiscal year beginning July 1, 2019 and ending June 30, 2020 are:

Operating Expenditures	<u>\$ 3,696,178</u>
------------------------	---------------------

It is estimated that the following revenues will be available in the Insurance Funds for the fiscal year beginning July 1, 2019 and ending June 30, 2020:

Transfer in from Revenue Fund	\$ 3,430,821
Investment Income	\$ 55,500
Employee/Retirees Medical Contributions	\$ 374,907
Contribution to Net Position	<u>\$ (165,150)</u>
	<u>\$ 3,696,178</u>

5. The following amounts are presented as the financial plan of the Fleet & Heavy Equipment Fund designated for capital equipment expenditures for the fiscal year beginning July 1, 2019 and ending June 30, 2020 estimated as follows:

Capital Equipment	<u>\$ 557,000</u>
-------------------	-------------------

It is estimated that the following revenues will be available in the Fleet & Heavy Equipment Fund for the fiscal year beginning July 1, 2019 and ending June 30, 2020:

Transfer from the Revenue Fund	\$ 500,000
Sale of Surplus Property	\$ 66,840
Investment Income	\$ 12,050
Contribution to Net Position	<u>\$ (21,890)</u>
	<u>\$ 557,000</u>

6. The following amounts are presented as the financial plan of the Wastewater Treatment Plant Replacement Fund designated for wastewater treatment plant capital expenditures for the fiscal year beginning July 1, 2019 and ending June 30, 2020 estimated as follows:

Capital Equipment	<u>\$ 298,000</u>
-------------------	-------------------

It is estimated that the following revenues will be available in the Wastewater Treatment Plant Replacement Fund for the fiscal year beginning July 1, 2019 and ending June 30, 2020:

Transfer from the Revenue Fund	\$ 200,000
Investment Income	\$ 5,258
Appropriated from Net Position	<u>\$ 92,742</u>
	<u>\$ 298,000</u>

7. The following amounts are presented as the financial plan in the Pump Station Replacement Fund designated for pump capital expenditures for the fiscal year beginning July 1, 2019 and ending June 30, 2020 estimated as follows:

Capital Equipment	<u>\$ 60,000</u>
-------------------	------------------

It is estimated that the following revenues will be available in the Pump Station Replacement Fund for the fiscal year beginning July 1, 2019 and ending June 30, 2020:

Transfer from the Revenue Fund	\$ 50,000
Investment Income	\$ 3,516
Appropriated from Net Position	<u>\$ 6,484</u>
	<u>\$ 60,000</u>

8. The following amounts are hereby appropriated in the Debt Service Fund for principal and interest payments for the fiscal year beginning July 1, 2019 and ending June 30, 2020:

Debt Service	<u>\$ 9,834,367</u>
--------------	---------------------

It is estimated that the following revenues will be available in the Debt Service Fund for the fiscal year beginning July 1, 2019 and ending June 30, 2020:

Transfer from the Revenue Fund	\$ 9,834,367
Investment Income	\$ 1,500
Contribution to Net Position	<u>\$ (1,500)</u>
	<u>\$ 9,834,367</u>

9. That the Board of the Metropolitan Sewerage District does hereby approve an increase in the Budgets to the amount necessary to reflect any contributions to the Debt Service Reserve Fund or Capital Reserve Fund as determined by the Bond Trustee to be necessary to comply with covenants in the Bond Order.
10. The General Manager is hereby authorized to transfer appropriations as contained herein under the following conditions:
- a. He may transfer amounts without limitation between departments in a fund.
 - b. He may transfer any amounts within Debt Service and Reserve Funds designated as excess by the Trustee into another fund.
 - c. He may transfer up to 10% of Insurance Fund reserves to meet current year expenditures in excess of budget.
11. That the attached Schedule of Fees and Charges be adopted as effective July 1, 2019.
12. That this resolution shall be entered in the minutes of the District and 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).

Adopted this 15th day of May 2019

M. Jerry VeHaun, Chairman
Metropolitan Sewerage District of
Buncombe County, North Carolina

Attest:

Jackie W. Bryson
Secretary/Treasurer

Schedule of Rates, Fees, and Charges - FY2020

Effective July 1, 2019

	CURRENT FY19 RATE	PROPOSED FY20 RATE
Rate increase		2.5%
Collection Treatment Charge		
Residential & Commercial Volume Charges (per CCF) Inside	\$ 4.61	\$ 4.73
Industrial Volume Charges (per CCF) Inside	\$ 4.47	\$ 4.58
Industrial Surcharge for BOD (per lb., BOD >250 mg/l) Inside	\$ 0.307	\$ 0.300
Industrial Surcharge for TSS (per lb., TSS >250 mg/l) Inside	\$ 0.253	\$ 0.250
Residential & Commercial Volume Charges (per CCF) Outside	\$ 4.62	\$ 4.74
Industrial Volume Charges (per CCF) Outside	\$ 4.48	\$ 4.59
Industrial Surcharge for BOD (per lb., BOD >250 mg/l) Outside	\$ 0.307	\$ 0.300
Industrial Surcharge for TSS (per lb., TSS >250 mg/l) Outside	\$ 0.253	\$ 0.250
Base Meter/Maintenance Charge & Billing Fee		
5/8"	\$ 7.11	\$ 7.29
3/4"	\$ 10.35	\$ 10.61
1"	\$ 18.37	\$ 18.83
1 1/2"	\$ 42.04	\$ 43.09
2"	\$ 74.34	\$ 76.20
3"	\$ 164.87	\$ 168.99
4"	\$ 294.21	\$ 301.57
6"	\$ 662.77	\$ 679.34
8"	\$ 1,176.82	\$ 1,206.24
10"	\$ 1,842.84	\$ 1,888.91
Billing Fee (per bill)	\$ 2.40	\$ 2.45
Sewer System Development Fees		
This impact fee is for allotted capacity in the treatment and transmission system. A differential fee will be charged for increases to an existing meter size.		
Residential		
Per Unit	\$ 2,836.00	\$ 2,836.00
Multifamily Unit	\$ 1,900.00	\$ 1,900.00
Affordable Housing	\$ 670.00	\$ 670.00

Schedule of Rates, Fees, and Charges - FY2020

Effective July 1, 2019

continued

	CURRENT FY19 RATE	PROPOSED FY20 RATE
Sewer System Development Fees (continued)		
Nonresidential		
5/8"	\$ 2,836.00	\$ 2,836.00
3/4"	\$ 4,254.00	\$ 4,254.00
1"	\$ 7,090.00	\$ 7,090.00
1 1/2"	\$ 14,180.00	\$ 14,180.00
2"	\$ 22,688.00	\$ 22,688.00
3"	\$ 45,376.00	\$ 45,376.00
4"	\$ 70,900.00	\$ 70,900.00
6"	\$ 141,800.00	\$ 141,800.00
8"	\$ 226,800.00	\$ 226,800.00
10"	\$ 595,560.00	\$ 595,560.00
12"	\$ 751,540.00	\$ 751,540.00
Sewer Connection Fees**		
This fee is to provide new or re-establish existing service connections to the MSD system.		
Sewer Connection by MSD	\$ 1,300.00	\$ 1,300.00
Pavement Disturbance and Boring Fee	\$ 2,300.00	\$ 2,300.00
Inspection Fee for Developer (or Utility Contractor) Installed Sewer Connection	\$ 140.00	\$ 140.00
<p>**The Sewer Connection Fee will apply to all new construction, as well as existing structures which have been demolished/rebuilt and sewer service is reinstated under new property ownership. MSD reserves the right to require that a licensed utility contractor install any sewer connection/service line. Sewer service lines within public rights-of-way between 75 and 300 feet shall be constructed by a licensed utility contractor to MSD Standards. All work will be subject to MSD inspection.</p>		
Manhole Installation/Replacement		
Cost per foot	\$ 250.00	\$ 250.00
Pavement replacement (if required)	\$ 1,800.00	\$ 1,800.00

Schedule of Rates, Fees, and Charges - FY2020

Effective July 1, 2019

continued

	CURRENT FY19 RATE	PROPOSED FY20 RATE
Other Fees		
Allocation Fee	\$ 170.00	\$ 170.00
Non-Discharge Permit	\$ 200.00	\$ 200.00
Plan Review Fee	\$ 450.00	\$ 450.00
Plan re-review Fee	\$ 350.00	\$ 350.00
Pump Station Acceptance Fee	Note 1	Note 1
Note 1--See policy for details of computation of O&M and equipment replacement costs for upcoming 20 years; 50% discount for affordable housing		
Bulk Charges		
Volume Charge for Septic Haulers (per 1,000 Gal.)	\$ 45.00	\$ 45.00
Biochemical Oxygen Demand >250 mg/l (per lb.)	\$ 0.307	\$ 0.300
Total Suspended Solids >250 mg/l (per lb.)	\$ 0.253	\$ 0.250
Returned Check Charge		
Returned Check (per event)	\$ 25.00	\$ 25.00
Dishonored Draft (per event)	\$ 25.00	\$ 25.00
Copy/Printing Fees/Miscellaneous (each)		
8x11 first print of standard GIS inquiry	\$ 1.00	\$ 1.00
8x14 first print of standard GIS inquiry	\$ 1.00	\$ 1.00
11x17 first print of standard GIS inquiry	\$ 2.00	\$ 2.00
24x36 first print of standard GIS inquiry	\$ 7.00	\$ 7.00
34x44 first print of standard GIS inquiry	\$ 12.00	\$ 12.00
36x48 first print of standard GIS inquiry	\$ 14.00	\$ 14.00
8x11 or 8x14 copies after first print	\$ 0.11	\$ 0.11
11x17 copies after first print	\$ 0.20	\$ 0.20
24x36 copies after first print	\$ 0.94	\$ 0.94
34x44 copies after first print	\$ 1.76	\$ 1.76
36x48 copies after first print	\$ 2.03	\$ 2.03
Foam Core mounting per sq. foot	\$ 3.00	\$ 3.00
Data CD	\$ 30.00	\$ 30.00
Shipping for CD	\$ 5.00	\$ 5.00
Permit Decals for Septic Haulers	\$ 50.00	\$ 50.00

STATUS REPORTS

MSD System Services In-House Construction

FY 18-19

PROJECT NAME	LOCATION	ZIP CODE	ESTIMATED FOOTAGE	ESTIMATED PROJECT DATES	WO#	CREW	COMPLETION DATE	ACTUAL FOOTAGE	NOTES
Emergency Weaverville #2 FM Repair Section 1	Woodfin	28804	60	7/10/2018	254177	631	7/10/2018	61	Complete
West Skyland Circle Sewer Rehabilitation	Woodfin	28804	520	6/18/18 - 7/20/18	246546	631	7/11/2018	515	Complete
Waynesville Avenue Sewer Rehab Ph. 2	Asheville	28806	400	6/15/18 - 7/15/18	253710	674	7/16/2018	372	Complete
Williamette Circle Sanitary Sewer Rehabilitation	Weaverville	28787	183	7/12/18 - 7/18/18	233748	631	7/18/2018	185	Complete
Emergency Weaverville #2 FM Repair Section 2	Woodfin	28804	330	8/4/18-8/5/18	254896	674	8/5/2018	321	Complete
3 Cliffridge Parkway Emergency Replacement	Avery's Creek	28704	80	8/7/2018	477071	608	8/7/2018	80	Complete
56 Fairway Drive Sewer Rehabilitation	Asheville	28805	451	7/17/18 - 8/31/18	240884	674	8/13/2018	452	Complete
Livingston Street at Erskine Sewer Rehabilitation	Asheville	28801	710	7/19/18 - 8/31/18	247502	631	8/15/2018	720	Complete
Myrtle Street Sewer Rehabilitation	Arden	28704	410	8/14/18 - 8/29/18	251129	674	8/29/2018	372	Complete
105 Midland Ave Sewer Rehabilitation	Black Mountain	28711	810	8/16/18 - 9/28/18	242836	631	9/12/2018	825	Complete
12 Melody Lane Sewer Replacement	Asheville	28803	215	9-24-18 - 9-26-18	256028	631	9/26/2018	216	Complete
110 Beaver Drive	Woodfin	28804	425	9/3/18-9/28/18	210211	674	9/28/2018	492	Complete
14 Shiloh Road Sewer Replacement	Asheville	28803	145	10/1/18 - 10/7/18	256024	631	10/3/2018	145	Complete
51 Hillcrest Road Sewer Replacement	Woodfin	28804	1320	10/7/18 - 11/7/18	255110	631	10/31/2018	1270	Complete
2229 Riverside Drive FM Repair Section 3	Woodfin	28804	182	11/16/2018	257443	631	11/16/2018	182	Complete
Blue Ridge Assembly Drive Sewer Replacement	Black Mountain	28711	250	10/29/18 - 11/9/18	256869	674	11/26/2018	287	Complete
Kanawha Drive GSR	Montreat	28757	495	11/1/18 - 12/1/18	255722	674	11/30/2018	332	Complete
38 Dunsmore Avenue	Black Mountain	28711	260	12/2/18 - 12/18/18	237426	674	12/18/2018	236	Complete
32 Klondyke Avenue Sewer Rehabilitation	Asheville	28801	1165	11/17/18 - 1/2/18	257226	631	12/28/2018	1216	Complete
28 Roebing Circle Sewer Rehabilitation	Asheville	28803	600	12/27/18 - 1/ 15/19	256370	674	1/18/2019	646	Complete
217 Mountain View Road Sewer Rehabilitation Ph. 1	Asheville	28805	979	1/2/19 - 2/1/19	257484	631	1/31/2019	752	Complete
70 Hampton Street Sewer Replacement	Asheville	28803	273	2/1/19 - 2/10/19	256291	631	2/8/2019	253	Complete
Laurel Road Phase 2B	Arden	28704	800	2/11/19 - 3/15/19	250366	631	3/19/2019	907	Complete
26 Wilshire Drive Phase I Sewer Rehabilitation	Asheville	28806	1478	2/1/19 - 3/15/19	235158	674	3/25/2019	1477	Complete
Weaverville #2 FM By-pass	Woodfin	28804	2300	3/20/19 - 4/15/19	258476	631	4/16/2019	2700	Complete
26 Wilshire Drive Phase II and III Sewer Rehabilitation	West Asheville	28806	384	3/26/19 - 4/15/19	259181/260381	674			Construction 95% complete
15 Dew Waite Road	Ridgecrest	28770	533	4/16/19 - 5/16/19	236553	631			Construction 90% complete
Waightstill Mtn FM Replacement	Arden	28704	3,700	5/2/19 - 6/28/19	235481	674			Scheduled to start May 2, 2019
6 Dale Street	Asheville	28806	130	5/20/19 - 5/25/19	257417	631			Ready for Construction
Waynesville Avenue at Brownwood	Asheville	28806	798	FY 18-19	247283	TBA			Ready for Construction



CONSTRUCTION TOTALS BY DATE COMPLETED - Monthly

From 7/1/2018 to 3/31/2019

	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 2018	27	8	99	986	23	39	4,335	0	321	660	19	412	1393
August 2018	25	8	104	1,238	24	41	17,360	0	677	968	12	576	2221
September 2018	23	8	171	974	21	36	470	0	216	1317	11	0	1533
October 2018	37	9	256	601	46	27	2,630	0	205	916	9	507	1628
November 2018	24	15	54	416	16	8	2,377	0	514	287	2	0	801
December 2018	23	7	41	578	20	15	1,220	0	0	1452	10	0	1452
January 2019	23	13	105	539	19	15	1,340	0	68	1400	8	0	1468
February 2019	38	20	120	1,033	5	25	80	0	192	253	2	0	445
March 2019	40	9	136	1,107	22	34	624	0	0	2206	27	178	2384
Grand Totals	260	97	1,085	7,472	196	240	30,436	0	2193	9459	100	1,673	13325

* Used to calculate Total Rehab Footage



CUSTOMER SERVICE REQUESTS

Monthly - All Crews

CREW	MONTH	JOBS	AVERAGE RESPONSE TIME	AVERAGE TIME SPENT
DAY 1ST RESPONDER				
	July, 2018	97	20	35
	August, 2018	127	28	30
	September, 2018	75	21	40
	October, 2018	94	25	35
	November, 2018	76	28	35
	December, 2018	117	30	41
	January, 2019	107	28	42
	February, 2019	118	31	36
	March, 2019	135	23	35
		946	26	36
NIGHT 1ST RESPONDER				
	July, 2018	11	17	25
	August, 2018	19	15	23
	September, 2018	13	21	20
	October, 2018	20	28	22
	November, 2018	20	29	33
	December, 2018	12	22	25
	January, 2019	23	28	27
	February, 2019	18	22	25
	March, 2019	19	29	18
		155	24	25
ON-CALL CREW *				
	July, 2018	44	46	54
	August, 2018	37	41	40
	September, 2018	31	34	44
	October, 2018	38	51	38
	November, 2018	42	58	53
	December, 2018	49	39	30
	January, 2019	59	41	31
	February, 2019	48	52	36

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



CUSTOMER SERVICE REQUESTS Monthly - All Crews

CREW	MONTH	JOBS	AVERAGE RESPONSE TIME	AVERAGE TIME SPENT
ON-CALL CREW *				
	March, 2019	51	41	50
		399	45	41
Grand Totals:		1,500	31	36

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



PIPELINE MAINTENANCE TOTALS BY DATE COMPLETED - Monthly

July 01, 2018 to March 31, 2019

	Main Line Wash Footage	Service Line Wash Footage	Rod Line Footage	Cleaned Footage	CCTV Footage	Smoke Footage	SL-RAT Footage
2018							
July	78,545	1,208	693	79,238	23,634	0	1,683
August	67,431	1,082	1,765	69,196	35,905	35,328	23,056
September	61,707	856	8,164	69,871	17,818	300	12,942
October	94,807	1,141	11,984	106,791	19,250	10,504	4,765
November	85,234	1,974	8,074	93,308	14,766	24,371	3,595
December	47,029	1,200	2,758	49,787	16,156	38,524	0
2019							
January	88,137	2,254	6,458	94,595	14,037	28,090	20,459
February	67,560	2,788	6,961	74,521	15,221	500	3,631
March	60,919	2,593	8,146	69,065	19,758	2,300	5,960
Grand Total:	651,369	15,096	55,003	706,372	176,544	139,917	76,091
Avg Per Month:	72,374	1,677	6,111	78,486	19,616	15,546	8,455

CAPITAL IMPROVEMENT PROGRAM

STATUS REPORT SUMMARY

May 8, 2019

PROJECT	LOCATION OF PROJECT	CONTRACTOR	AWARD DATE	NOTICE TO PROCEED	ESTIMATED COMPLETION DATE	*CONTRACT AMOUNT	*COMPLETION STATUS (WORK)	COMMENTS
AVERY CREEK PUMP STATION IMPROVEMENTS	Arden 28704	NHM Constructors	11/21/2018	5/2/2019	7/2/2019	\$526,575.00	0%	Held pre-construction meeting on 5/2/19. Anticipated to start mid May.
BEAUCATCHER ROAD @ KENILWORTH ROAD	Asheville 28805	Terry Brothers Construction Company	1/16/2019	TBD	TBD	\$171,908.00	0%	No work has started yet. Contractor on another MSD project.
DRY RIDGE ROAD (4-INCH MAIN)	Asheville 28804	Buckeye Bridge, LLC	9/19/2018	11/12/2018	6/1/2019	\$286,837.90	95%	Contractor working on curb; paving and final restoration remain.
HILL STREET	Asheville 28801	Terry Brothers Construction Company	7/18/2018	8/1/2018	5/1/2019	\$654,969.00	100%	Project complete and in close out.
KENILWORTH ROAD @ SPRINGDALE ROAD	Asheville 28805	Terry Brothers Construction Company	1/16/2019	TBD	TBD	\$252,324.00	0%	No work has started yet. Contractor on another MSD project.
LONG SHOALS ROAD @ ALLEN AVENUE	Arden 28704	Teraflex Group LLC	2/20/2019	4/1/2019	6/29/2019	\$112,321.00	100%	Project complete and in close out.
MEMORY LANE	Asheville 28805	Terry Brothers Construction Company	6/13/2018	10/1/2018	6/1/2019	\$652,274.80	95%	Paving is being scheduled.
OLD HAW CREEK ROAD @ GREENBRIAR ROAD	Asheville 28805	Terry Brothers Construction Company	1/16/2019	4/15/2019	10/12/2019	\$821,552.00	5%	Contractor has begun construction and is progressing well.
OLD WEST CHAPEL ROAD	Asheville 28803	Terry Brothers Construction Company	11/21/2018	1/10/2019	6/9/2019	\$982,155.00	95%	Paving is being scheduled.
SOUTH FRENCH BROAD INTERCEPTOR - LINING (FY 18-19)	Biltmore Estate	Granite Inliner, LLC	10/17/2018	1/2/2019	6/1/2019	\$1,066,164.00	99%	Project is complete. Test results are being reviewed.
WRF - PLANT HEADWORKS IMPROVEMENTS	Woodfin	Judy Construction Company	1/18/2017	4/3/2017	6/1/2019	\$9,618,319.66	95%	Crew is working on curbing and restoration.
WRF- PLANT HIGH RATE PRIMARY TREATMENT	Woodfin	Shook Construction Company	10/17/2018	1/7/2019	10/28/2020	\$15,071,000.00	8%	Potable water, non-potable water, and gas line construction underway.

***Updated to reflect approved Change Orders and Time Extensions**

Planning & Development Project Status Report

Active Construction Projects Sorted by Work Location and Project Number

May 3, 2019

#	Project Name	Project Number	Work Location	Zip Code	Units	LF	Pre-Construction Conference Date	Comments
1	Dillingham Woods	2014048	Asheville	28805	22	375	3/4/2015	Final Inspection complete, awaiting close-out docs
2	First Baptist Relocation	2015032	Asheville	28801	Comm.	333	7/21/2015	Final Inspection complete, awaiting close-out docs
3	8 Sulphur Springs Road	2015116	Asheville	28806	6	80	11/22/2016	Final Inspection complete, awaiting close-out docs
4	Towne Place Suites	2016012	Asheville	28801	83	342	9/11/2018	Pre-con held, construction not yet started
5	88 Southside Ave Phase 2	2016015	Asheville	28801	18	400	2/21/2017	Phase 2 not yet started
6	Hounds Ear (Mears Ave Cottages)	2016123	Asheville	28806	18	402	8/18/2017	Pre-con held, construction not yet started
7	Lausch Subdivision	2016153	Asheville	28805	4	248	5/16/2017	Waiting on final inspection
8	Hawthorne at Mills Gap	2016222	Asheville	28803	272	442	10/3/2017	Waiting on final inspection
9	Ashecroft	2016229	Asheville	28806	40	2,450	2/20/2018	Phase 1 - Final complete, awaiting close-out docs / Phase 2 - on hold
10	Gerber Road Storage	2017049	Asheville	28803	Comm.	156	2/9/2018	Waiting on final inspection
11	RADTIP	2017052	Asheville	28801	0	919	2/13/2018	Installing
12	Rock Hill Road	2017096	Asheville	28803	15	990	7/24/2018	Waiting on final inspection
13	Villa Heights	2017118	Asheville	28806	8	540	2/20/2018	Final Inspection complete, awaiting close-out docs
14	McCormick Place	2017150	Asheville	28801	17	210	8/3/2018	Waiting on final inspection
15	Wanoca Cottages	2017214	Asheville	29903	15	378	3/26/2019	Installing
16	Hawthorne Apartments @ Haywood	2017225	Asheville	28806	240	1,604	10/19/2018	Testing
17	Fernwood Avenue	2017251	Asheville	28806	3	368	10/30/2018	Waiting on final inspection
18	US 74 Commercial Development	2018010	Asheville	28803	4	265	5/25/2018	Pre-con held, construction not yet started
19	Sunrise Drive Homes	2018046	Asheville	28806	5	220	7/20/2018	Waiting on final inspection
20	Alice Place Subdivision	2018066	Asheville	28803	19	480	6/19/2018	Punchlist pending
21	Oakview Park Road	2018072	Asheville	28803	3	230	1/29/2019	Pre-con held, construction not yet started
22	Old Haywood Subdivision Phase 1	2018073	Asheville	28806	79	1,770	3/19/2019	Pre-con held, construction not yet started
23	Ingles Smokey Park Highway	2018074	Asheville	28806	1	1,289	4/11/2014	Installing
24	Fern Street	2018081	Asheville	28803	8	60	2/15/2019	Testing
25	Cypress Knoll Gardens	2018121	Asheville	28803	7	90	10/30/2018	Final Inspection complete, awaiting close-out docs
26	Le An Hurst Road	2018127	Asheville	28803	5	245	3/22/2019	Final Inspection complete, awaiting close-out docs
27	Tru by Hilton	2018131	Asheville	28805	1	248	1/25/2019	Pre-con held, construction not yet started
28	Grove Park Views	2018239	Asheville	28801	7	150	2/19/2019	Waiting on final inspection
29	West Keesler Avenue	2007176	Black Mountain	28711	6	410	11/15/2016	Final Inspection complete, awaiting close-out docs
30	808 Montreat Road	2015126	Black Mountain	28711	4	371	4/18/2017	Final Inspection complete, awaiting close-out docs
31	Avadim	2017001	Black Mountain	28711	Comm.	2,286	1/11/2019	Installing
32	Sweet Birch Lane	2017111	Black Mountain	28711	65	780	9/28/2018	Punchlist pending
33	Chapman's Cove	2017227	Black Mountain	28711	10	430	9/21/2018	Waiting on final inspection
34	White Oak Circle	2018197	Black Mountain	28711	4	330	10/30/2018	Installing
35	402 Blue Ridge Road	2018206	Black Mountain	28711	6	372	2/5/2019	Pre-con held, construction not yet started
36	Hyde Park Phase 2	2013058	Buncombe Co.	28704	14	500	12/3/2013	Waiting on final inspection
37	Creekside Cottages	2014095	Buncombe Co.	28704	7	504	3/12/2015	Waiting on final inspection
38	Avondale Subdivision	2015052	Buncombe Co.	28803	4	215	4/7/2017	Final Inspection complete, awaiting close-out docs
39	Waightstill Mountain Phase 2B	2015155	Buncombe Co.	28704	16	1,784	4/23/2019	Pre-con held, construction not yet started
40	Bee Tree Village	2015158	Buncombe Co.	28778	26	1,118	3/17/2017	Waiting on final inspection
41	Weatherwood Subdivision	2016034	Buncombe Co.	28704	19	785	7/21/2017	Final Inspection complete, awaiting close-out docs
42	NC DOT I-5504 NC 191A-26 Interchange	2016132	Buncombe Co.	28806	0	355	10/23/2017	Installing
43	New Salem Heights	2016192	Buncombe Co.	28778	25	816	2/13/2018	Waiting on final inspection
44	Villas of Avery Creek	2017068	Buncombe Co.	28704	270	3,170	9/18/2018	testing
45	ABCCM	2017083	Buncombe Co.	28806	60	4,069	12/4/2018	Installing
46	240 Old Farm School Road	2017112	Buncombe Co.	28805	4	340	2/9/2018	Final Inspection complete, awaiting close-out docs
47	Sweetgrass Apartments	2018015	Buncombe Co.	28704	270	1,090	4/12/2019	Pre-con held, construction not yet started
48	Fields BMW	2018022	Buncombe Co.	28704	3	490	10/9/2018	Waiting on final inspection
49	Rosscraggon Road Subdivision	2018048	Buncombe Co.	28704	4	370	4/20/2018	Waiting on final inspection
50	The Ramble Block I	2018050	Buncombe Co.	28803	39	7,316	12/4/2018	Installing
51	Upper Grassy Branch Road	2018087	Buncombe Co.	28805	6	250	8/31/2018	Waiting on final
52	Bee Tree Road	2018115	Buncombe Co.	28778	6	240	12/18/2018	Waiting on final
53	New Riparian	2018156	Buncombe Co.	28778	5	275	9/28/2018	Waiting on final inspection
54	Cedar Lane	2018164	Buncombe Co.	28704	9	145	3/22/2019	Pre-con held, construction not yet started
55	The Preserve at Avery's Creek Phase 2	2018188	Buncombe Co.	28704	141	4,000	6/16/2017	Waiting on final inspection
56	Biltmore Lake Block I-4	2018226	Buncombe Co.	28715	27	1,770	3/12/2019	Installing
57	Wheeler Road	2017019	Weaverville	28787	72	1,535	3/28/2018	Waiting on final inspection
58	44 Central Ave	2017107	Weaverville	28787	7	275	10/27/2017	Final Inspection complete, awaiting close-out docs
59	Ambler's Chase	2017249	Weaverville	28787	21	1,235	11/29/2018	Installing
60	Northridge Commons Townhomes	2018082	Weaverville	28787	53	1,380	4/9/2019	Pre-con held, construction not yet started
61	Crest Mountain Phase 3B	2013041	Woodfin	28806	69	1,329	10/15/2013	Punchlist pending, awaiting closeout documents (roadwork remaining)
62	Reese & Jan Lasher (High Hopes)	2015152	Woodfin	28806	14	320	4/26/2016	Final Inspection complete, awaiting close-out docs
63	Olivette Development-Phase 1 Gravity	2016065	Woodfin	28804	356	1,155	3/29/2018	Installing
64	Olivette Pump Station/Force Main	2016213	Woodfin	28804	356	1,740	2/27/2018	Preparing to tie-in to MSD Force Main
65	Ricky Robinson Property	2017088	Woodfin	28804	1	385	7/31/2018	Waiting on final inspection
66	Apple Lane	2017130	Woodfin	28804	4	60	8/31/2018	Pre-con held, construction not yet started
67	88 North Merrimon Avenue	2017196	Woodfin	28804	Comm.	455	5/11/2018	Waiting on final inspection
68	Olivette Gravity Phase 2	2018116	Woodfin	28804	94	12,406	11/27/2018	Installing
69	Skyfin-Terraces at Reynolds Mtn -Phase 3&4	2018187	Woodfin	28804	22	845	8/8/2017	Waiting on final inspection and phasing
	TOTAL				3,019	72,985		