

BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
January 16, 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, January 16, 2019. Chairman VeHaun presided with the following members present: Ashley, Bryson, Kelly, Pelly, Pressley, Valois, Watts, Whitesides and Wisler. Holland and Manheimer were absent.

Others present were: Thomas E. Hartye, PE, General Manager; William Clarke, General Counsel; Al Root, retiring Board Member; Angela Reece with the Town of Black Mountain; Patty Beaver with CIBO; Joseph Martin with Woodfin Sanitary Water & Sewer District; Ed Bradford, Mike Stamey, Roger Edwards, Scott Powell, Matthew Walter, Jim Hemphill, Ken Stines, Spencer Nay and Pam Nolan, MSD.

Mr. Vehaun reported that Mr. Root is retiring from the MSD Board. Mr. Root was presented with a Resolution from the MSD Board of Directors, honoring him for his service. Mr. VeHaun called for a motion to adopt the Resolution. Mr. Watts moved. Ms. Wisler seconded the Motion. Voice vote in favor of the motion was unanimous. Mr. VeHaun thanked Mr. Root and congratulated him on his retirement from the MSD Board then presented him with an engraved MSD clock. Mr. Hartye stated that it has been his pleasure working with Mr. Root and that he approaches everything at MSD with such alacrity. He reported that Mr. Root took over the helm of the Planning Committee during a tough time and helped handle that really well with his sense of humor. Mr. Root contributed to the congeniality of the Board and has strongly supported Staff through-out the years but was never afraid to ask the tough questions. Mr. Hartye presented Mr. Root with an MSD hat, t-shirt and plaque with gold manhole hook. Mr. Root stated that he wanted to call attention to Mr. Clarke. He said no one realizes how tricky the job of a Board attorney can be. You must come prepared for a lot of different issues during meetings, know when to talk and when not to talk. He stated that Mr. Clarke embodies exactly what a Board attorney should be. He further stated when he talked to Mr. Valois about coming onto this Board he stated what a good job Staff does. It becomes easy to mail it in as a Board Member. Staff does such an incredibly good job that it rarely will lead to a smoking gun. He stated that he very much appreciates his time here, has tried to copy some of the things he has seen here over in Weaverville and will very much miss this Board. He stated that this Board exemplifies what public service should be. Mr. VeHaun stated that Mr. Root's comments about Mr. Clarke and MSD Staff were right on, and that's the way he has felt for a long time, and he hears a lot of compliments from the public regarding how well things are run at MSD and overseen by Mr. Clarke.

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 December 19, 2018 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the December 19, 2018 Board Meeting. Mr. Watts moved for approval of the minutes as presented. Ms. Bryson 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 Ms. Beaver with CIBO, Ms. Reece with the Town of Black Mountain and Mr. Martin with Woodfin Sanitary Water and Sewer District. There was no discussion or public comment.

6. Report of General Manager:

Mr. Hartye presented before and after pictures of the Treatment Plant Headworks Improvements and reviewed the work that has been completed and the work to be performed. He presented slides of the emergency by-pass system in front of the plant, the hydro-electric flume and the pump station for surge control during wet or high weather events, the RBC's, the Plant, Maintenance and Administration Buildings, the back-up generators, and the defunct microscreens which will be replaced during the next phase of these improvements. At some point in the next couple weeks, the entire front of the plant will have to be bypassed with temporary pumps to allow for the critical tie-ins to be made and an isolation wall to be built. Ms. Wisler asked if, over the next three weeks when by-passing the old system and before the new system gets set up, there are any risks or concerns operationally such as weather. Mr. Hartye stated yes there are risks and yes, Staff is worried about weather. There is a by-pass plan with several pumps in redundancy as well so if one goes out it gets replaced with another. The flow is still running high both in the system and out in the river. Hopefully, there will be a series of days with good, dry weather so the flows will be a little more manageable.

Mr. Hartye reported that attached is an email from Scott Smiles of Middlemont Avenue expressing his gratitude for the response of Mike Rice and Carl Ellington and their calm and professional encouragement in helping him work through sewer issues on his property.

Mr. Hartye reported that attached is an email from Drake Fowler regarding the emergency call out over the Holiday weekend and past calls to MSD. Thanks to Mike Rice and Carl Ellington.

Mr. Hartye reported the Right of Way Committee meeting scheduled for January 23, 2019 is cancelled. The next Right of Way Committee meeting will be held on February 27, 2019 at 9am. The next regular Board Meeting will be held on February 20, 2019 at 2pm.

7. Consolidated Motion Agenda:

a. Consideration of Annual Meeting Dates FY2019:

Mr. Hartye presented the Annual Meeting Dates for 2019.

b. Consideration of Budget Calendar FY 2019-2020:

Mr. Hartye presented the Budget Calendar for FY 2019-2020. MSD is required to have a Preliminary Budget no later than June 1 and a Final Budget no later than June 15.

c. Consideration of Bids: Old Haw Creek Road @ Greenbriar Road Sanitary Sewer Rehabilitation Project:

Mr. Hartye reported that this project is in the Haw Creek area of Asheville and consists of replacing 6-inch clay lines in poor condition that have triggered numerous customer service requests and SSO's. The total project length is 3,755 LF of 8-inch DIP. The contract was advertised and four bids were received on December 20, 2018 as follows: Buckeye Bridge, LLC in the amount of \$1,317,844.00; Thomas Construction Company in the amount of \$1,311,930.00; Teraflex Group, LLC in the amount of \$997,244.50 and Terry Brothers Construction Company in the amount of \$821,552.00. The apparent low bidder is Terry Brothers Construction Company in the amount of \$821,552.00. Terry Brothers has completed numerous MSD projects and their work quality has remained excellent. The FY18-19 Construction Budget for this project is \$1,017,000.00. Staff recommends award of this contract to Terry Brothers Construction Company in the amount of \$821,552.00, subject to review and approval by District Counsel.

d. Consideration of Bids: Kenilworth Road @ Springdale Road and Beaucatcher Road @ Kenilworth Road Sanitary Sewer Rehabilitation Project:

Mr. Hartye reported that these two projects are located in the Kenilworth area of Asheville. Design on these sections has been accelerated to complete construction prior to an upcoming City of Asheville Bond Road Resurfacing project. The City paving project is expected to begin in Summer 2019. The projects consist of replacing problematic 6-inch clay and Orangeburg lines that are in poor structural condition. The two projects total 1,618 LF of 8-inch DIP. The contract was advertised and three bids were received on December 20, 2018 as follows: Thomas Construction Company in the amount of \$394,325.00

for Kenilworth at Springdale and \$270,740.50 for Beaucatcher at Kenilworth, for a total bid amount of \$665,065.50; Buckeye Bridge, LLC in the amount of \$338,026.00 for Kenilworth at Springdale and \$247,931.00 for Beaucatcher at Kenilworth for a total bid amount of \$585,957.00; Terry Brothers Construction Company in the amount of \$252,324.00 for Kenilworth at Springdale and \$171,908.00 for Beaucatcher at Kenilworth for a total bid amount of \$424,232.00. The apparent low bidder is Terry Brothers Construction Company with a bid amount of \$424,232.00. The FY18-19 Construction Budget for Kenilworth at Springdale is \$295,000.00. Funding for Beaucatcher at Kenilworth was originally planned for FY20-21 but the City accelerated their original schedule to this year. Funds are available in the CIP Contingency for the \$171,908.00. Staff recommends award of this contract to Terry Brothers Construction Company in the amount of 424,232.00, subject to review and approval by District Counsel.

e. Consideration of Developer Constructed Sewer Systems: 42 Old County Home Road; Perry Lane Apartments; The Preserve @ Avery's Creek Phase 1; Beacham's Curve (Cost Participation):

Mr. Hartye reported that the 42 Old County Home Road project consisted of extending approximately 200 linear feet of 8-inch public gravity sewer to serve a 5-lot single family residential development.

Mr. Hartye reported that the Perry Lane Apartments project is located along Hendersonville Road in Buncombe County and consisted of extending approximately 670 linear feet of 8-inch public gravity sewer to serve the 120-unit affordable apartment complex.

Mr. Hartye reported that the Preserve @ Avery's Creek Phase 1 project is located along Avery Creek Road and included extending approximately 3,740 linear feet of 8-inch public gravity sewer to serve the 70 single family residential units for this phase of the development.

Mr. Hartye reported that the Beacham's Curve Sewer Relocation project is located along Haywood Road in the City of Asheville. The project included relocating 735 linear feet of 8-inch public gravity sewer and abandoning approximately 240 linear feet of public gravity sewer to accommodate the Mixed-Use Development. The sewer relocation on the site not only serves the new development but also solved some problems MSD had with the public sewer system. The Board previously approved a 60% cost participation with this Developer, up to \$138,600.00, at the July 18, 2018 Board Meeting. The actual cost of the sewer construction was \$197,958.00. MSD staff reviewed this cost and determined that the reimbursement amount should be \$112,999.80.

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

f. Cash Commitment/Investment Report Month ended November 2018:

Mr. Powell reported that Page 38 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 39 presents the MSD investment managers report for the month of November. The weighted average maturity of the investment portfolio is 192 days. The yield to maturity is 2.33% and is exceeding our bench marks of the NCCMT portfolio. Page 40 presents the District's analysis of cash receipts. Domestic user fees are considered reasonable based on timing of cash receipts and historical trends. The 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 \$640,000.00 from one developer. Page 41 is an analysis of the District's Expenditures. O&M, Debt Service and Capital Projects expenditures are considered reasonable based on historical trends and timing of capital projects. Page 42 presents the MSD Variable Debt Service report for the month of December. The 2008A Series is performing at budgeted expectations. As of the end of December this issue has saved the District rate payers approximately \$5.7 million in debt service since April of 2008. Mr. Kelly asked if as the District issues new bonds, will they be synthetic fixed rates or regular fixed rates. Mr. Powell stated that as it pertains to the bonds that we have slated in our ten year business plan, those are budgeted as fixed rate bonds. Mr. Kelly asked if that was because we can't get any more synthetic fixed rates. Mr. Powell stated that we can get synthetic fixed rates but as it stands now the market is more receptive to vanilla fixed rate debt issuances. Mr. Kelly asked what percentage the District is at now with synthetic fixed rate vs. regular fixed rates. Synthetic fixed rate is approximately 30% of our total outstanding debt. Mr. Kelly asked if that was declining. Mr. Powell stated that was declining over time. Mr. Kelly asked if the interest rates stay where they are, will there eventually be no synthetic fixed rates. Mr. Powell stated that is correct.

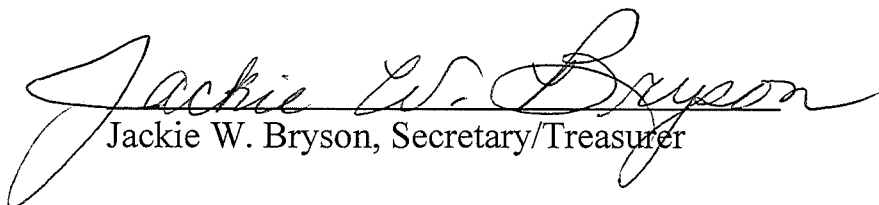
With no further discussion, Mr. VeHaun called for a motion to approve the Consolidated Motion Agenda. Mr. Watts moved. Mr. Pressley seconded the motion. Roll call vote was as follows: 10 Ayes; 0 Nays.

8. **Old Business:** None.

9. **New Business:** None.

10. **Adjournment:**

With no further business, Mr. VeHaun called for adjournment at 2:37 pm.


Jackie W. Bryson, Secretary/Treasurer

MSD

Regular Board Meeting

Metropolitan Sewerage District
of Buncombe County, NC

AGENDA FOR 1/16/19

✓	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 December 19, 2018 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. Consolidated Motion Agenda	Hartye	2:40	
	a. Consideration of Annual Meeting Dates FY2019	Hartye		
	b. Consideration of Budget Calendar FY2019-2020	Hartye		
	c. Consideration of Bids: Old Haw Creek Road @ Greenbriar Road	Hartye		
	d. Consideration of Bids: Kenilworth Road @ Springdale Road and Beaucatcher Road @ Kenilworth Road	Hartye		
	e. Consideration of Developer Constructed Sewer Systems: 42 Old County Home Road; Perry Lane Apartments; The Preserve @ Avery's Creek Phase 1; Beacham's Curve (Cost Participation)	Hartye		
	f. Cash Commitment Investment Report-Month ended November, 2018	Powell		
	09. Old Business:	VeHaun	3:00	
	10. New Business:	VeHaun	3:05	
	11. Adjournment: (Next Meeting 2/20/19)	VeHaun	3:10	
	STATUS REPORTS			

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December 19, 2018

1. Call to Order and Roll Call:

The regular monthly meeting of the Metropolitan Sewerage District Board was held in the Boardroom of MSD's Administration building at 2:00 pm Wednesday, December 19, 2018. Chairman VeHaun presided with the following members present: Ashley, Bryson, Holland, Kelly, Manheimer, Pelly, Root, Watts, and Wisler. Pressley and Whitesides were absent.

Others present were: Thomas E. Hartye, PE, General Manager; William Clarke, General Counsel; Forrest Westall with McGill Associates; Matthew Socha with Cherry Bekaert, LLP; Joseph Martin with Woodfin Sanitary Water and Sewer District; Earl Valois with the Town of Weaverville; Ed Bradford, Scott Powell, Angel Banks, Julie Willingham, Mike Stamey, Jim Hemphill, Ken Stines, Hunter Carson, Peter Weed, Matthew Walter 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 November 21, 2018 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the November 21, 2018 Board Meeting. Mr. Kelly 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 Matthew Socha with Cherry Bekaert, Earl Valois with the Town of Weaverville and Joe Martin with Woodfin Sanitary Water & Sewer District. Mr. Root reported that Mr. Valois has been very active in Weaverville since he moved here from New Orleans and will be replacing Mr. Root to represent Weaverville starting in January, 2019.

6. Report of General Manager:

Mr. Hartye called on Mr. Socha for a presentation on the Fiscal Year 2018 Audit of MSD financial statements. Mr. Socha stated that he will be reviewing audit results, required communications and some accounting standards that were adopted this year. He also stated he will be presenting some brief slides on financial highlights and trends over the last ten years that sum up the financial position and results of operations for the District. He stated that they especially wanted to thank Scott Powell, Cheryl Rice and their team for having everything prepared as they have earned themselves a "clean" audit. The audit was performed under Government Auditing Standards which are required for any governmental entity. Their opinion

Minutes

December 19, 2018

Page Two

on the financial statements is an unmodified or “clean” audit report. There were no compliance findings, no misstatements or material weaknesses in internal controls and no audit adjustments. As far as auditor communications, he stated that they do issue a letter at the conclusion of the audit that reviews some standard items that they need to communicate. The first is regarding new pronouncements that were adopted this year. There were two new pronouncements. The first is GASB statement No. 75 that relates to post-employment benefits between the time an employee retires and is eligible for health care benefits under Social Security. MSD has to record an obligation for an actuarial estimate of those obligations. The implementation of that statement resulted in about a \$1.3 million adjustment to the District’s financial statements. MSD has an actuary perform the calculation. The actuary looks at the census of the employees and projects what the liability and health care cost trends will be doing. That report is relied on to book the numbers, and it also added 2-3 more pages of disclosure financial statements as well. The only other new standard, which was adopted early by the District, is GASB 87, which eliminates the requirement to capitalize expense during the construction of new capital assets when you have outstanding debt. If you look back 10 years and averaged what your average capitalized interest expense was, that averaged about \$440,000.00. The effect is that interest expense will no longer be capitalized and amortized over the period of the asset. Significant estimates include pension and post retirement obligations and interest rate swap liability on financial statements. There were no difficulties or audit adjustments. At the conclusion of the audit, Mr. Hartye and Mr. Powell sign a Management Representation Letter which takes responsibility for the financial statements and information given to Cherry Bekaert throughout the course of the audit. There was no consultation with any 3rd parties. The one future standard to be pointed out is regarding leases which should have a minimal impact on the District because it owns most of its capital assets. It changes the accounting by bringing those lease obligations onto the balance sheet. This standard will take effect in 2021.

Mr. Socha presented graphs showing financial highlights. The first graph shows the trend in capital assets net of depreciation over the past 10 years. The District ended the year at just over \$433 million. That is nearly a \$95 million increase over the past 10 years. The second graph shows Long Term Bonds Obligations which the District has been paying down as it invests in Capital Assets. In this last year the District issued about \$26 million in new bonds. The third graph is the Net Position. This shows assets and deferred inflows over liabilities and deferred outflows. The total net position is up about \$15 million over the prior year. Both the down tic in the net investment and capital and the up tic in the unrestricted relate to the bond issuance because it is added as a subtraction to your net investment and capital assets and cash investments. The fourth graph shows Operating Results which include Operating Revenue, Expenses and Income. Operating revenues were flat this year compared to the prior year. Although sewer charges were up the main impact here had to do with facility and tap fees being down approximately \$1.6 million from the prior year. Operating expenses are in line with normal inflation increases. There were no questions.

Mr. Socha again expressed his appreciation to Tom Hartye, Scott Powell, Cheryl Rice and the rest of the financial team for their full cooperation and for how smoothly the audit went.

Mr. Hartye reported that attached is an email from Scott Krugman from Haw Creek expressing his appreciation for the knowledge, professionalism and kindness of Matthew Green and Toby Roberts.

Mr. Hartye reported that Mr. Sohns of Braeside Court called to let supervisors at MSD know how happy he was with the prompt service that Lloyd Anders and Nathan Poteete provided in repairing the manhole the other day. He appreciated the friendliness and professionalism.

Mr. Hartye reported that attached is an email from Hartwell Carson, the French Broad Riverkeeper, expressing his thanks to Ken Stines and the System Services Division for hunting down and fixing a leak on Sand Hill Road.

Mr. Hartye reported that he has included an article forwarded by Jim Holland regarding Aging Sewer Systems in North Carolina by NC Health News. Since 2000, MSD has spent approximately \$300 million on capital reinvestment, mostly replacing sewers. Since that time the SSO's have been reduced from 288 in 2000 to 25 in 2018. These are SSO counts at 2.4 per 100 miles. MSD has been very lucky with the Board in being very supportive in financing an aggressive Capital Improvement Program. As Mr. Socha shared, MSD spends about 67% of its budget on capital replacements, either through borrowed money for debt and pay as go money for CIP. Across the nation, most utilities are spending about 2/3 on operations and 1/3 on capital, MSD is spending 2/3 on capital and 1/3 on operations.

Mr. Hartye reported that the next regular Board Meeting will be held on January 16th at 2:00 pm. He stated that he would like to have a lunch for Mr. Root prior to this Board Meeting if he was available. Mr. Root stated that he would be here. The next Right of Way Committee meeting will be held on January 23, 2019 at 9 am. The Christmas lunch for Staff will be held here tomorrow at 11:30 am and all Board Members are invited to attend.

7. Report of Committees:

a. Right of Way Committee – November 28, 2018

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

8. Consolidated Motion Agenda:

a. Consideration of Condemnation – Christian Creek Interceptor

Mr. Hartye reported that this parcel was improved with several condominiums along Sleepy Hollow Lane. The existing sewer lies just off the shoulder of Sleepy

Hollow Lane and runs parallel with I-40. The existing sewer will be replaced in the same trench where there are multiple large trees, therefore scrapping the buffer the owner has from I-40. MSD made provisions for replacement of 13 trees and the owner is still not in agreement. There has been no feedback regarding the compensation, owners have been very slow to respond and are unwilling to move forward at this point. Staff and Committee are seeking authority to obtain appraisal and proceed with condemnation, if necessary.

b. Consideration of Compensation Budget – 15 Dew Waite Road:

Mr. Hartye reported that Staff and Committee recommend approval of this Compensation Budget.

c. Consideration of Developer Constructed Sewer Systems: Cherokee Trail; Glenn Bridge; Tudor Croft Phase 2A; Westover Relocation:

Mr. Hartye reported that the Cherokee Trail project is located off Hickory Street in the Town of Black Mountain and consisted of extending approximately 80 linear feet of 8-inch public gravity sewer to serve the 4-lot single family residential development.

The Glenn Bridge Road Subdivision project included extending approximately 1,886 linear feet of 8-inch public gravity sewer to serve the 30-unit single family development.

Mr. Hartye reported that the Tudor Croft Phase 2A project is located off Byrd Road in the Town of Black Mountain and included extending approximately 914 linear feet of 8-inch public gravity sewer to serve the 22 units for this phase of the single family residential development.

Mr. Hartye reported that the 24 Westover Hills Sewer Line Relocation project included relocating approximately 104 linear feet of 8-inch public gravity sewer along with abandoning approximately 90 linear feet of public gravity sewer to create a buildable single family residential lot.

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

d. Consideration of Procurement of Mini Excavators:

Mr. Hartye reported that the District's policy is for the Equipment Review Committee (ERC) to annually evaluate the condition of existing fleet vehicles and equipment and to recommend replacements when they are beyond economical repair. At the March 15, 2018 ERC Meeting the members recommended the purchase of two (2) new Mini-Excavator replacements which were included in the FY 18-19 Budget. Pursuant to North Carolina Statutes, bids were emailed to six (6) vendors and advertised on the MSD web site. Four (4) bid packages were received and opened on November 29, 2018 as follows: Carolina Equipment, Fairview with a bid of \$51,596.00 (Yanmar Vi050-6A),

Kubota of Asheville with a bid of \$53,400.00(KX040-4R1A), Carolina Tractor, Asheville with a bid of \$65,619.39 (CAT 304E2) and \$70,439.21 (CAT 305E2), and James River Equipment was non-responsive to specifications. Carolina Equipment/Yanmar was the lowest responsive and responsible bidder to the MSD Specifications. The total cost of this contract will be \$103,192.00. Staff recommends that the bid from Carolina Equipment/Yanmar be awarded.

e. Cash Commitment/Investment Report Month ended October 2018:

Mr. Powell reported that Page 36 presents the makeup of the District's Investment Portfolio. There has not been a significant change in the makeup of the portfolio from the prior month. Page 37 is the MSD's Investment Manager's report for the month of October. The weighted average maturity of the investment portfolio is 161 days. The yield to maturity is 2.20%. Page 38 presents the District's analysis of Cash Receipts. Domestic User Fees are considered reasonable based on timing of cash receipts and historical trends. Industrial User Fees are considered reasonable taking into consideration a temporary increase in revenue from one industrial user. Facility and Tap fees are above budgeted expectations due to receiving \$640,000.00 from one developer. Page 39 presents the MSD analysis of Expenditures. O&M, Debt Service and Capital Project expenditures are considered reasonable based on historical trends and timing of cash expenditures. Page 40 presents the Variable Debt Service report. The 2008 A Series is performing at budgeted expectations. As of the end of November the issue has saved the District rate payers approximately \$5.7 million in debt service since April 2008. Mr. Watts commented that when Mr. Socha was discussing the audit, he referred to a decline in tap fees, but it seems like tap fees always exceed budgeted expectations. Mr. Powell commented that was correct. The main reason for that is the District conservatively budgets tap and facility fees taking into consideration its implication on future rate increases. He further stated that if the District budgeted a high number in one particular year and didn't meet that budgeted expectation, whereas we have consistently raised rates 2.5%, we could see that fluctuate more widely over a 10-year period. In addition, the money the District collects, especially now with the impact fee statute, goes back into the investment in infrastructure. That number does have implications on future rate increases but any monies in excess of that go right back into the system. Mr. Hartye further stated that both years fee revenues were over what was budgeted, this year's revenues were just less than the previous year. Mr. Powell stated it was approximately \$1.5 million less than the previous year. Mr. Powell stated that last year was the highest in impact fees the District has received since he has been here, in excess of \$6.6 million.

f. Comprehensive Annual Financial Reporting for Fiscal Year ended June 30, 2018:

Mr. Powell reported that the Audit was presented earlier by Mr. Socha. He further reported that this is a revised report. There were a few typographical errors that were corrected. Both pertain to the \$300,000.00 Budget Amendment impact on financial statements. Sewer charges were above budgeted expectations because of a 1.8% increase in consumption and a 1.7% growth in customer base.

Industrial Revenue trended above budgeted expectations due to temporary increased revenue from one industrial user. That user is paying a surcharge in relation to the BOD and TSS discharge to the District. The user has implemented a pretreatment system so what you will see in future years is numbers more in line with budget. Facility and Tap Fees are above budgeted expectations due to receiving \$1.9 Million from five developments at the end of the year as well as the conservative nature in which these funds are budgeted. Interest income was below budgeted expectations due to federal reserve impact on short term interest rates. The District typically achieves a 96% budget to actual ratio on O&M expenditures. This year the District achieved a 96% budget to actual ratio. The District's deferred utility cost was \$337,000.00 due to producing our own electricity with the hydro facility. Capital project expenditures are at approximately 80% of budget. CIP projects are continuing to receive favorable pricing. In addition, this year there was one project that has extended into next year and those items that were budgeted this year and not spent were re-budgeted for next fiscal year. This year the District did issue \$28 Million, not \$26 million as Mr. Socha stated. His \$26 million figure reflected the service that was paid in the fiscal year. Mr. Kelly asked if all the water coming down the river from the heavy rains made more electricity and saved money. Mr. Powell stated that there was some scheduled maintenance going on at the hydro facility so there will definitely be more deferred utility cost this fiscal year as compared to FY 18-19. Mr. Kelly asked with more water coming down the river is there more inflow and infiltration to treat than normal. Mr. Hartye stated yes and that the hydroelectric facility typically creates more electricity as well.

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

9. Old Business:

None

10. New Business:

None

11. Adjournment:

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

Jackie W. Bryson, Secretary/Treasurer



MEMORANDUM

TO: MSD Board
FROM: Thomas E. Hartye, P.E., General Manager
DATE: January 11, 2019
SUBJECT: Report from the General Manager

- Plant Construction Update

The Treatment Plant Headworks Improvements are nearly complete and the critical switch over between new and old systems is planned to take place in February. The entire flow of the plant will have to be bypassed with temporary pumps to allow for the critical tie-ins to be made and isolation wall to be built.

- Kudos

- Attached is an email from Scott Smiles of Middlemont Ave. expressing his gratitude for the response of Mike Rice and Carl Ellington and their calm professional encouragement in helping him work through sewer issues on his property.
- Attached is an email from Drake Fowler regarding the emergency call out over the Holiday weekend and previous past calls to MSD. Thanks to Mike Rice and Carl Ellington.

- Board/Committee Meetings/Events

We will have an appreciation lunch for Al Root at 1:15pm prior to this months Board Meeting. The Right of Way Committee Meeting for January 23rd is cancelled. The next Right of Way Committee meeting will be held on February 27th at 9 am. The next Regular Board Meeting will be held on February 20, 2019 at 2 pm.

Subject: Thank you

Date: Sunday, December 30, 2018 at 8:09:34 AM Eastern Standard Time

From: Scott Smiles

To: Hartye, Tom

Dear Mr. Hartye,

I wanted to take a moment to express my gratitude for the response and service received from your holiday on-call crew Mike & Carl. The day following Christmas I had a sewer line failure from clean-out to street. Mike and Carl arrived promptly and were able to free my line and educate me as to the probable cause. They ordered a camera scope which confirmed the suspicion the following day. When I uncovered the issue yesterday I realized it was the worst case scenario and all my line from clean-out through retaining wall to street would need to be uncovered and replaced. Mike and Carl again were available to drop in promptly and provide the guidance I needed to complete this painstaking job. But what I really wanted to share most with you is the excellent customer service and encouragement I received from these gentlemen over through this ordeal. As a homeowner in crisis your crew showed calm & professional encouragement. They could not have been more helpful, friendly, and courteous. Too often people are quick to complain about poor service, but I'd like to say today that as a taxpayer and Buncombe County resident I am grateful for excellent the service and assistance I received over the course of my ordeal. It exceeded my expectations and I was able to resolve my issue with MSD guidance and support! I could not have resolved this as quickly and effectively without Mike & Carl's support.

Sincerely,

Scott W. Smiles

72 Middlemont Ave, 28806

Subject: Inquiry From The Internet

Date: Monday, December 24, 2018 at 11:28:57 PM Eastern Standard Time

From: Drake Fowler

To: Hartye, Tom

Tom,

I had to place an emergency call over the holiday weekend. Your guys were her in less than 45 minutes, they were polite and quickly fixed our problem.

I have lived in Asheville for 14 years and have had to call MSD three times all of them were positive experiences. Thank you all for doing a great job. On this particular occasion Mike Rice came out. Wanted to let you know you have a good team. Thank you.

Drake Fowler
828.337.9952

**METROPOLITAN SEWERAGE DISTRICT
ANNUAL MEETING DATES
2019**

BOARD MEETINGS – 2:00 PM

January 16

February 20

March 20

April 17

May 15

June 12

July 17

August 21

September 18

October 16

November 20

December 18

COMMITTEE MEETINGS - (See Budget Calendar)

Planning Committee - As needed by notice.

Right of Way Committee - 4th Wednesday of each month at 9 a.m. No meeting in December.

Personnel Committee - As needed by notice. (See Budget Calendar)

Finance Committee - As needed by notice (See Budget Calendar)

CIP Committee - Annual – (See Budget Calendar)

Metropolitan Sewerage District of Buncombe County

BOARD ACTION ITEM

Meeting Date: January 16, 2019
Submitted By: Thomas E. Hartye, PE., General Manager
Prepared By: W. Scott Powell, CLGFO Director of Finance
Subject: Adoption of Budget Calendar – FY2019-2020

Background

The District's budget process must satisfy requirements in the North Carolina General Statutes as well as the 1999 Amended and Restated Bond Order. NC statutes require 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. Thereafter, the budget must be adopted no earlier than 10 days after the budget is first presented to the Board and not later than July 1. The Bond Order calls for the budget to be adopted by the Board on or before June 15.

Discussion

The attached budget calendar is designed to allow for input by all stakeholders into a systematic and deliberate process. Time between committee and board meetings has been scheduled to prepare and distribute agenda items, including preparation time for any revisions requested to be presented at a subsequent meeting.

The Finance Committee meeting to discuss the proposed budget is scheduled for May 2 with the expectation that fairly firm estimates of health and other insurance renewal care costs will be available by the middle of April.

This calendar is a guide and committee meetings may be added and/or rescheduled as necessary to accommodate the Preliminary Budget being presented on May 15 and the Final Budget being adopted on June 12.

Fiscal Impact

None.

Staff Recommendation

Approval of the proposed Budget Calendar.

Action Taken

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

Budget Calendar FY 2020

April

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

May

S	M	T	W	T	F	S
			1	2	3	4
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

June

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29

July

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

DATE	TIME	SUBJECT
April 23	8:30 a.m.	CIP Committee Meeting <ul style="list-style-type: none"> Update of Ten-Year Capital Improvement Program Update Construction Program Financing 2019-2020 Construction Fund Budget
April 30	9:00 a.m.	Personnel Committee Meeting <ul style="list-style-type: none"> Cost of Living & Merit Pay Benefit Allocations
May 2	9:00 a.m.	Finance Committee Meeting <ul style="list-style-type: none"> Nine Month Revenue/Expenditure Report Self-Funded Medical & Dental Program Proposed FY20 Construction Fund Budget Proposed FY20 Operating Budget & Sewer Rates
May 15	2:00 p.m.	Board Meeting <ul style="list-style-type: none"> Preliminary FY20 Budgets & Sewer Rates
June 12	2:00 p.m.	Board Meeting <ul style="list-style-type: none"> Public Hearing Adoption of FY20 Budgets & Sewer Rates
July 1		Start of Fiscal Year 2019-2020

**Metropolitan Sewerage District of Buncombe County
BOARD ACTION ITEM**

BOARD MEETING DATE: January 16, 2019

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

PREPARED BY: Ed Bradford, P.E. - Director of Engineering
Hunter Carson, P.E. - Ass't Director of Engineering

SUBJECT: Consideration of Bids: Old Haw Creek Road @ Greenbriar Road Sanitary Sewer Rehabilitation Project, MSD Project No. 2012109

BACKGROUND: This project is located in the Haw Creek area of Asheville. It consists of replacing problematic six-inch clay lines that are in poor structural condition and have triggered numerous SSO's and Customer Service Requests.

The total project length is 3,755 LF of 8-inch DIP. A portion of this project lies within the project limits for a City of Asheville Bond Road Resurfacing Project, and will be constructed first.

The contract was advertised and four bids were received on December 20, 2018 in the following amounts:

<u>Contractor</u>	<u>Bid Amount</u>
1) Buckeye Bridge, LLC	\$1,317,844.00 (*)
2) Thomas Const. Co.	\$1,311,930.00
3) Teraflex Group, LLC	\$ 997,244.50
4) Terry Brothers Const. Co.	\$ 821,552.00

(*) Bid is rejected due to improper bid form.

The apparent low bidder is Terry Brothers Construction Co. with a bid amount of \$821,552.00. Terry Brothers has completed numerous MSD sewer rehabilitation projects, and their work quality has remained excellent to date.

Please refer to the attached documentation for further details.

FISCAL IMPACT: The FY18-19 Construction Budget for this project is \$1,017,000.00.

STAFF RECOMMENDATION: Staff recommends award of this contract to Terry Brothers Construction Co. in the amount of \$821,552.00, subject to review and approval by District Counsel.

METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, NORTH CAROLINA

Old Haw Creek Road @ Greenbriar Road Sewer Rehabilitation

Project No. 2012109

BID TABULATION

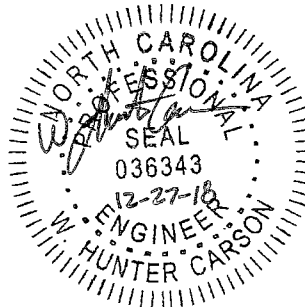
December 20, 2018

BIDDER	Bid Bond	MBE Form	Bid Forms (Proposal)	TOTAL BID AMOUNT
Buckeye Bridge LLC Canton, NC	5%	1	Yes	(*) \$1,317,844.00
Thomas Construction Company Johnson City, TN	5%	1	Yes	\$1,311,930.00
Teraflex Group LLC Williston, ND	5%	1	Yes	\$997,244.50
Terry Brothers Construction Company Leciestar, NC	5%	1	Yes	\$821,552.00

APPARENT LOW BIDDER

(*) Invalid bid; Bid form was not completed properly.

William Hunter Carson, P.E.
Project Engineer
Metropolitan Sewerage District of
Buncombe County, North Carolina



This is to certify that the bids tabulated herein were publicly opened and read aloud at 2:30 p.m. on the 20th day of December, 2018, in the W.H. Mull Building at the Metropolitan Sewerage District of Buncombe County, Asheville, North Carolina, and that said bids were accompanied by acceptable bidders bonds in the amount of 5% of the bid.

Interoffice Memorandum

TO: Tom Hartye, General Manager

FROM: Ed Bradford, Engineering Director
Hunter Carson, Asst. Director of Engineering

DATE: December 26, 2018

RE: Old Haw Creek Rd @ Greenbriar Rd Sewer Rehabilitation, MSD Project No. 2012109

The Old Haw Creek Road @ Greenbriar Road Sanitary Sewer Rehabilitation project is located in the Haw Creek community of East Asheville, approximately 0.5 miles northeast of the New Haw Creek Road/Tunnel Road intersection.

Approximately 3,755 linear feet of 8-inch DIP sewer line will be installed to replace existing 6-inch VCP. Approximately half of the project includes pipe replacement in the roadway along portions of Old Haw Creek Road, Greenbriar Road, and Cisco Road. Line segments on Greenbriar Road and Cisco Road will be constructed first to accommodate a City of Asheville resurfacing project in Summer 2019.

Pipe fractures, holes, sags and numerous manhole overflows and SSOs have resulted in more than 17 Customer Service Requests over the past decade. This project's Pipe Rating is moderately high at 56 and is attributed to past manhole overflows and SSOs, structural condition, and the potential for future impacts to surface waters.

On Thursday, December 20, 2018, four (4) sealed bids were received at 2:30pm. Results were as follows:

<u>Contractor</u>	<u>Bid Amount</u>
1) Buckeye Bridge, LLC	\$1,317,844.00
2) Thomas Construction Company	\$1,311,930.00
3) Teraflex Group, LLC	\$ 997,244.50
4) Terry Brothers Construction Co.	\$ 821,552.00

The apparent low bidder is Terry Brothers Construction Company with a bid amount of \$821,552.00. The FY18-19 construction budget for this project is \$1,017,000.00. Terry Brothers Construction Co. has an extensive history completing District rehabilitation and replacement projects with excellent workmanship and quality.

Staff recommends award of this contract to Terry Brothers Construction Co., Inc. contingent upon review and approval by District Counsel.

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

BUDGET DATA SHEET - FY 2018 - 2019

PROJECT: Old Haw Creek Rd. @ Greenbriar Rd.	LOCATION: E. Asheville
TYPE: General Sewer Rehab.	PIPE RATING: 56
PROJECT NO. 2012109	TOTAL LF: 3,755
PROJECT BUDGET: \$1,172,600.00	PROJECT ORIGIN: SSO's, Work Orders, Line Condition

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/17	EST. COST JAN - JUNE 2018	BUDGET FY 18-19
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN	\$18,000.00	\$14,700.00	\$3,300.00	
55330 - DESIGN				
55340 - PERMITS				
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS	\$13,200.00	\$13,200.00		
55370 - LEGAL FEES	\$14,000.00	\$10,225.00	\$4,775.00	
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION	\$70,000.00	\$25,029.00	\$44,971.00	
55400 - APPRAISAL	\$7,000.00		\$3,500.00	\$3,500.00
55410 - CONDEMNATION	\$20,000.00		\$10,000.00	\$10,000.00
55420 - CONSTRUCTION	\$1,017,000.00			\$1,017,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING	\$4,000.00			\$4,000.00
55450 - SURVEY - ASBUILT	\$9,400.00			\$9,400.00
TOTAL AMOUNT	\$1,172,600.00	\$63,154.00	\$66,546.00	\$1,043,900.00

ENGINEER: MSD	HC	ESTIMATED BUDGETS - FY 20 - 28		
R.O.W. ACQUISITION: MSD	# PLATS: [19]	FY 19-20	\$0.00	
CONTRACTOR:		FY 20-21	\$0.00	
CONSTRUCTION ADM: MSD		FY 21-22	\$0.00	
INSPECTION: MSD		FY 22-23	\$0.00	
		FY 23-24	\$0.00	
PROJECT DESCRIPTION: This project is located in the Haw Creek neighborhood of E. Asheville along Old Haw Creek Rd. and Greenbriar Rd. It consists of replacing approximately 3,755 LF of existing 6-inch vitrified clay pipe with 8-inch ductile iron pipe. The existing line is in poor condition and has been subject to frequent overflows.		FY 24-25	\$0.00	
		FY 25-26	\$0.00	
		FY 26-27	\$0.00	
		FY 27-28	\$0.00	

SPECIAL PROJECT NOTES:



**Old Haw Creek Road at Greenbriar Road
Project No. 2012109**

NOT TO SCALE



METROPOLITAN SEWERAGE DISTRICT
of
BUNCOMBE COUNTY, NORTH CAROLINA

Budget Map

**Metropolitan Sewerage District of Buncombe County
BOARD ACTION ITEM**

BOARD MEETING DATE: January 16, 2019

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

PREPARED BY: Ed Bradford, P.E. - Director of Engineering
Hunter Carson, P.E. - Ass't Director of Engineering
Shaun Armistead, P.E. - Project Engineer

SUBJECT: Consideration of Bids: Kenilworth Rd @ Springdale Rd and Beaucatcher Rd @ Kenilworth Rd Sanitary Sewer Rehabilitation Projects, MSD Project Nos. 2014010 and 2015219, respectively

BACKGROUND: These two projects are located in the Kenilworth area of Asheville, along separate sections of Kenilworth Road. They are both portions of larger CIP projects - MSD accelerated the design on these sections in order to complete construction prior to an upcoming City of Asheville Bond Road Resurfacing Project along Kenilworth Road. The city paving project is expected to begin in Summer 2019.

The projects consist of replacing problematic six-inch clay and Orangeburg lines that are in poor structural condition. This has caused root intrusion and triggered multiple backups. The two projects total 1,618 LF of 8-inch DIP.

The contract was advertised and three bids were received on December 20, 2018 in the following amounts:

<u>Contractor</u>	<u>Kenilworth @ Springdale</u>	<u>Beaucatcher @ Kenilworth</u>	<u>Total Bid</u>
1) Thomas Const. Co.	\$394,325.00	\$270,740.50	\$665,065.50
2) Buckeye Bridge, LLC	\$338,026.00	\$247,931.00	\$585,957.00
3) Terry Bros. Const. Co.	\$252,324.00	\$171,908.00	\$424,232.00

The apparent low bidder is Terry Brothers Construction Co. with a bid amount of \$424,232.00. Terry Brothers has completed numerous MSD sewer rehabilitation projects, and their work quality has remained excellent to date.

Please refer to the attached documentation for further details.

FISCAL IMPACT: The FY18-19 Construction Budget for Kenilworth @ Springdale is \$295,000.00.

Funding for Beaucatcher @ Kenilworth was originally planned for FY20-21; however, the City accelerated the original schedule for their project after the project budget was prepared. Funds are available in the CIP Contingency for the \$171,908.00 for Beaucatcher @ Kenilworth.

Completing both projects at this time, prior to the City's paving project, will eliminate the need to disturb and repair new pavement in the future.

STAFF RECOMMENDATION: Staff recommends award of this contract to Terry Brothers Construction Co. in the amount of \$424,232.00, subject to review and approval by District Counsel.

METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, N.C.

SEWER REHABILITATION PROJECTS

**KENILWORTH ROAD @ SPRINGDALE ROAD, PHASE I, PROJECT NO. 2014010
BEAUCATCHER ROAD @ KENILWORTH ROAD, PHASE I, PROJECT NO. 2015219**

**BID TABULATION
December 20, 2018**

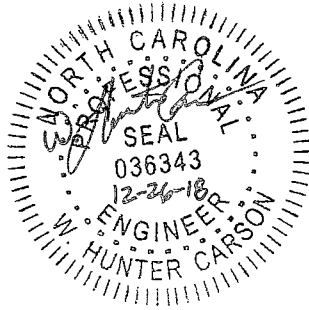
BIDDER	MBE Form	Bid Forms (Proposal)	Kenilworth @ Springdale	Beaucatcher @ Kenilworth	Combined Total Bid Amount
Thomas Construction Company Johnson City, TN	1	Yes	\$394,325.00	\$270,740.50	\$665,065.50
Buckeye Bridge LLC Canton, NC	1	Yes	\$338,026.00	\$247,931.00	\$585,957.00
Terry Brothers Construction Co. Leicester, NC	1	Yes	\$252,324.00	\$171,908.00	\$424,232.00

APPARENT LOW BIDDER

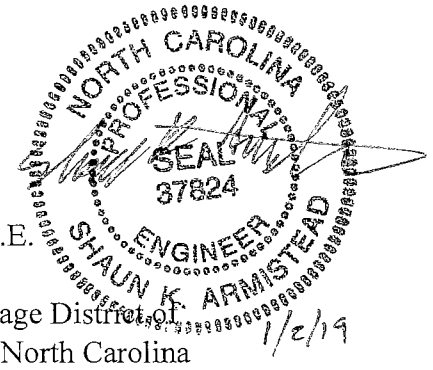
Kenilworth Road @ Springdale Road

Beaucatcher Road @ Kenilworth Road

W. Hunter Carson, P.E.
Project Engineer
Metropolitan Sewerage District of
Buncombe County, North Carolina



Shaun Armistead, P.E.
Project Engineer
Metropolitan Sewerage District of
Buncombe County, North Carolina



This is to certify that the bids tabulated herein were publicly opened and read aloud at 2:00 p.m. on the 20th day of December 2018, in the W.H. Mull Building at the Metropolitan Sewerage District of Buncombe County, Asheville, North Carolina. These projects were bid informally and no bid bond was required.

Interoffice Memorandum

TO: Tom Hartye, General Manager

FROM: Ed Bradford, Engineering Director
Hunter Carson, Asst. Director of Engineering
Shaun Armistead, Project Manager

DATE: December 26, 2018

RE: Kenilworth Road @ Springdale Road Ph. 1 Sanitary Sewer Rehabilitation MSD
Project No. 2014010

Beaucatcher Road @ Kenilworth Road Ph. 1 Sanitary Sewer Rehabilitation MSD
Project No. 2015219

This contract encompasses two rehabilitation projects on Kenilworth Road: Kenilworth Road @ Springdale Road Ph. 1, and Beaucatcher Road @ Kenilworth Road Ph. 1. Both are portions of larger CIP projects that have been accelerated to accommodate a City of Asheville resurfacing project in Summer 2019.

The two projects total approximately 1,618 linear feet of 8-inch ductile iron pipe. The existing sewer lines are 6-inch vitrified clay and Orangeburg and are in poor condition with a history of backups due to root intrusion and pipe defects. Pipe Ratings for the two projects are 42 (Kenilworth @ Springdale) and 35 (Beaucatcher @ Kenilworth).

On Thursday, December 20, 2018, three sealed bids were received at 2:00pm, as follows:

<u>Contractor</u>	<u>Kenilworth @ Springdale</u>	<u>Beaucatcher @ Kenilworth</u>	<u>Total Bid</u>
1) Thomas Const. Co.	\$394,325.00	\$270,740.50	\$665,065.50
2) Buckeye Bridge, LLC	\$338,026.00	\$247,931.00	\$585,957.00
3) Terry Bros. Const. Co.	\$252,324.00	\$171,908.00	\$424,232.00

The apparent low bidder is Terry Brothers Construction Company with a bid amount of \$424,232.00. The FY18-19 construction budget for Kenilworth Rd @ Springdale Rd is \$295,000.00. Beaucatcher Rd @ Kenilworth Rd was originally scheduled for bidding in FY19-20, but the lower portion of the project (estimated at \$190,000) was moved to FY18-19 once MSD staff discovered that the City of Asheville's paving project had been accelerated by one year. This shift occurred after MSD's budget process was complete.

District Staff has had extensive experience with Terry Brothers Construction, and they have proven themselves to be excellent contractors on past District contracts.

Staff recommends award of this contract to Terry Brothers Construction Company, contingent upon review and approval by District Counsel.

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

BUDGET DATA SHEET - FY 2018 - 2019

PROJECT: Kenilworth @ Springdale Rd.	LOCATION: Asheville
TYPE: General Sewer Rehab.	PIPE RATING: 42
PROJECT NO.: 2014010	TOTAL LF: 2,524
PROJECT BUDGET: \$747,350.00	PROJECT ORIGIN: Work Orders, Line Condition, Access

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/17	EST. COST JAN - JUNE 2018	BUDGET FY 18-19
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN	\$6,800.00	\$6,800.00		
55330 - DESIGN				
55340 - PERMITS				
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS	\$8,250.00			
55370 - LEGAL FEES	\$11,000.00			
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION	\$50,000.00			
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$661,000.00			\$295,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING	\$4,000.00			\$2,000.00
55450 - SURVEY - ASBUILT	\$6,300.00			\$2,700.00
TOTAL AMOUNT	\$747,350.00	\$6,800.00	\$0.00	\$299,700.00

1061

ENGINEER: MSD	HC	ESTIMATED BUDGETS - FY 20 - 28	
R.O.W. ACQUISITION: MSD	# PLATS: [11]	FY 19-20	\$69,250.00
CONTRACTOR:		FY 20-21	\$0.00
CONSTRUCTION ADM: MSD		FY 21-22	\$0.00
INSPECTION: MSD		FY 22-23	\$371,600.00
		FY 23-24	\$0.00
PROJECT DESCRIPTION: This project is located in Kenilworth at the intersection of Kenilworth Rd. and Springdale Rd. Approximately 2,524 LF of existing 6-inch vitrified clay pipe will be replaced with 8-inch ductile iron pipe. The existing line has voids, cracks, roots, and fractures, and has experienced multiple SSOs.		FY 24-25	\$0.00
		FY 25-26	\$0.00
		FY 26-27	\$0.00
		FY 27-28	\$0.00

SPECIAL PROJECT NOTES: City of Asheville to pave Kenilworth Rd in summer 2019. Portions of project in Kenilworth Rd. to be constructed in FY 18-19.

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

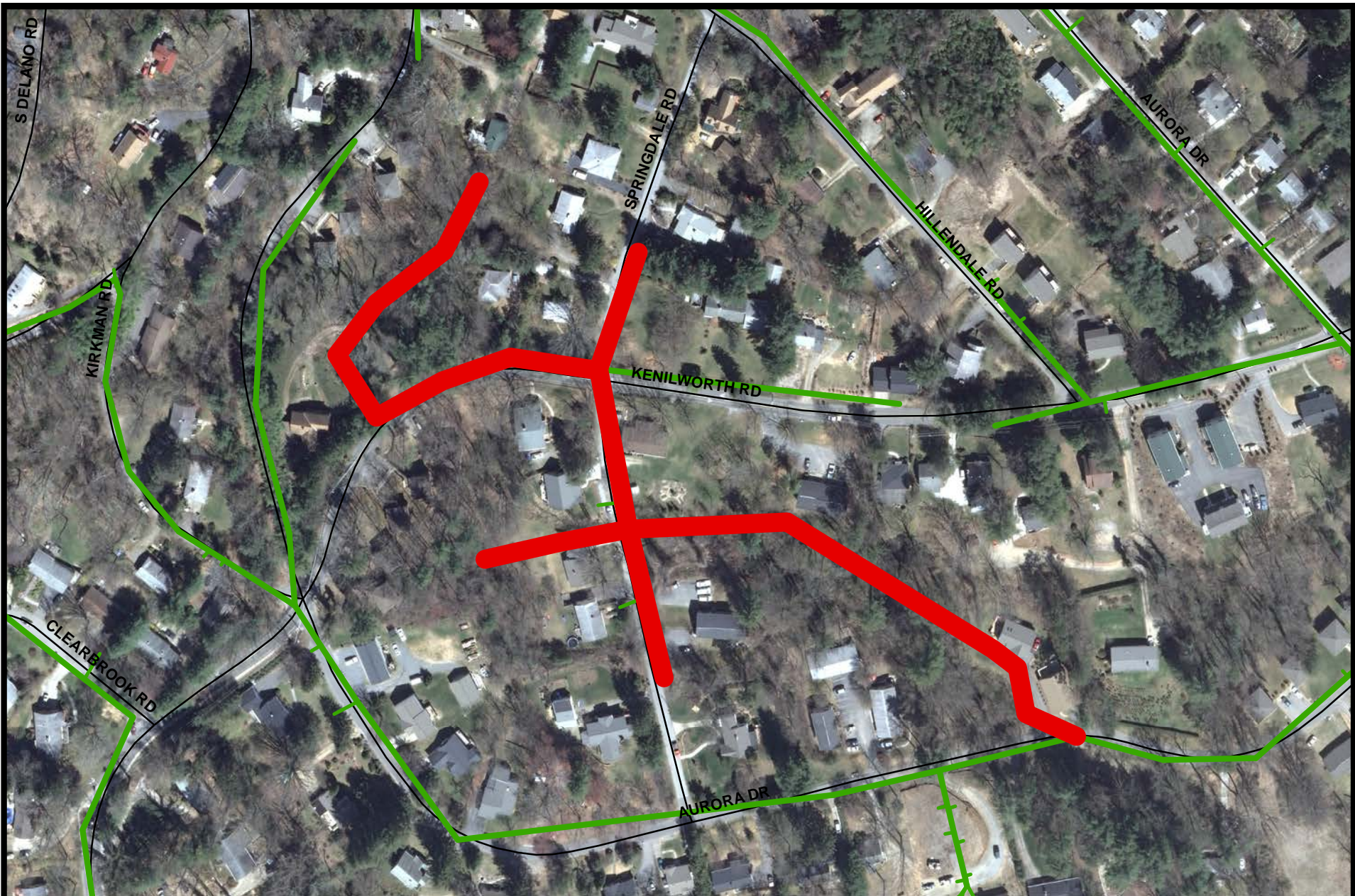
BUDGET DATA SHEET - FY 2018 - 2019

PROJECT: Beaucatcher Rd. @ Kenilworth Rd.	LOCATION: E. Asheville
TYPE: General Sewer Rehab.	PIPE RATING: 35
PROJECT NO. 2015219	TOTAL LF: 1,370
PROJECT BUDGET: \$521,900.00	PROJECT ORIGIN: Work Orders, Line Condition

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/17	EST. COST JAN - JUNE 2018	BUDGET FY 18-19
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN	\$19,500.00	\$6,500.00	\$13,000.00	
55330 - DESIGN				
55340 - PERMITS	\$1,000.00			\$1,000.00
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS	\$600.00			\$600.00
55370 - LEGAL FEES	\$1,000.00			\$1,000.00
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION	\$35,000.00			\$35,000.00
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$463,000.00			
55430 - CONST. CONTRACT ADM.				
55440 - TESTING	\$1,000.00			
55450 - SURVEY - ASBUILT	\$800.00			
TOTAL AMOUNT	\$521,900.00	\$6,500.00	\$13,000.00	\$37,600.00

ENGINEER: MSD	SA	ESTIMATED BUDGETS - FY 20 - 28		
R.O.W. ACQUISITION: MSD	# PLATS: [1]	FY 19-20	\$0.00	
CONTRACTOR:		FY 20-21	\$464,800.00	
CONSTRUCTION ADM: MSD		FY 21-22	\$0.00	
INSPECTION: MSD		FY 22-23	\$0.00	
		FY 23-24	\$0.00	
		FY 24-25	\$0.00	
PROJECT DESCRIPTION: This project is located in East Asheville and is comprised of 1370 LF of 8-inch ductile iron pipe. The existing line is aging 6" orangeburg pipe in poor shape with a large amount of root intrusion.		FY 25-26	\$0.00	
		FY 26-27	\$0.00	
		FY 27-28	\$0.00	

SPECIAL PROJECT NOTES:



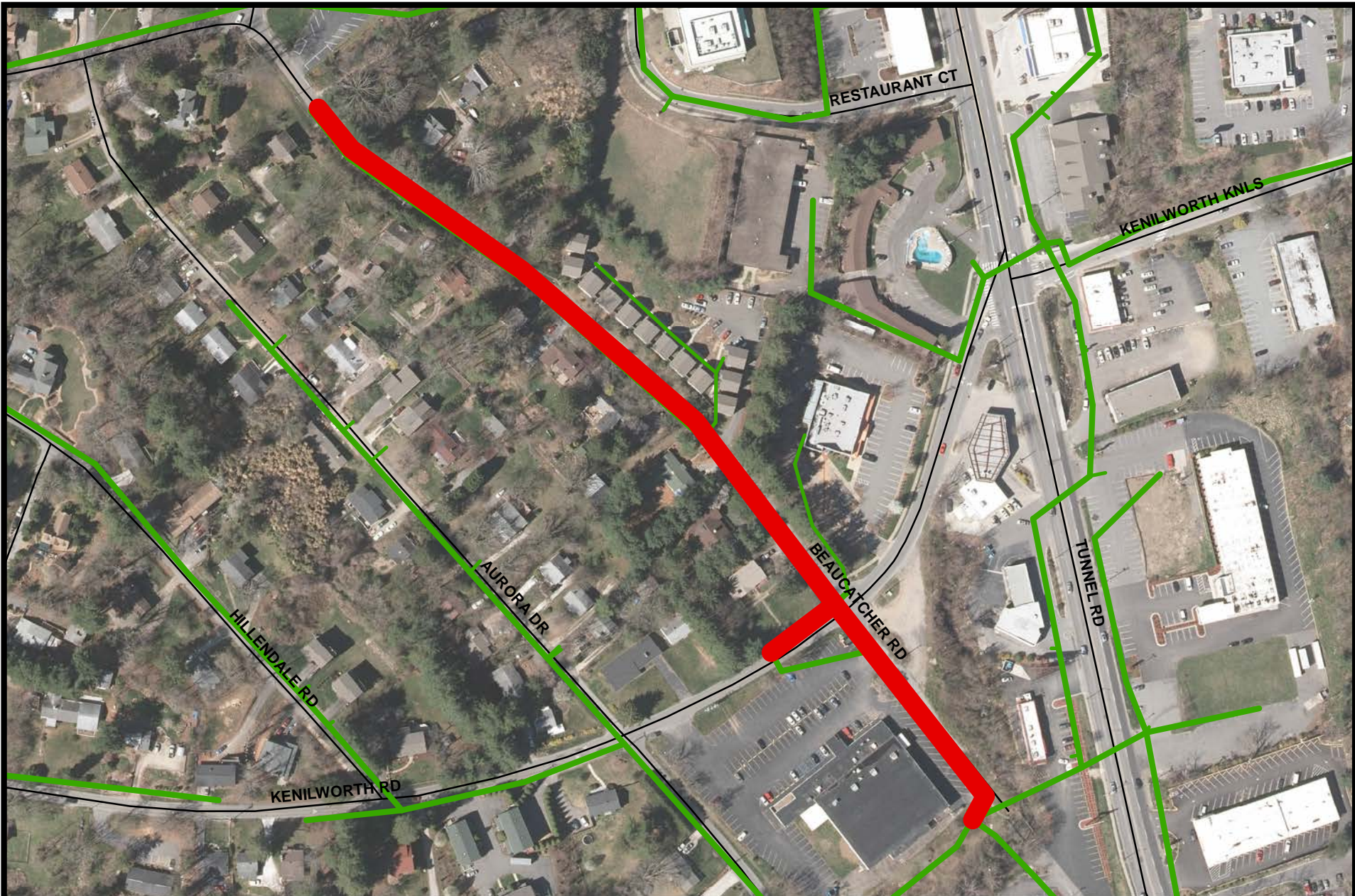
**Kenilworth Road at Springdale Road
Project No. 2014010**

NOT TO SCALE



METROPOLITAN SEWERAGE DISTRICT
of
BUNCOMBE COUNTY, NORTH CAROLINA

Budget Map



**Beaucatcher Road at Kenilworth Road
Project No. 2015219**

NOT TO SCALE



METROPOLITAN SEWERAGE DISTRICT
of
BUNCOMBE COUNTY, NORTH CAROLINA

Budget Map

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: January 16, 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 42 Old County Home Road Sewer Extension, MSD Project No. 2017109

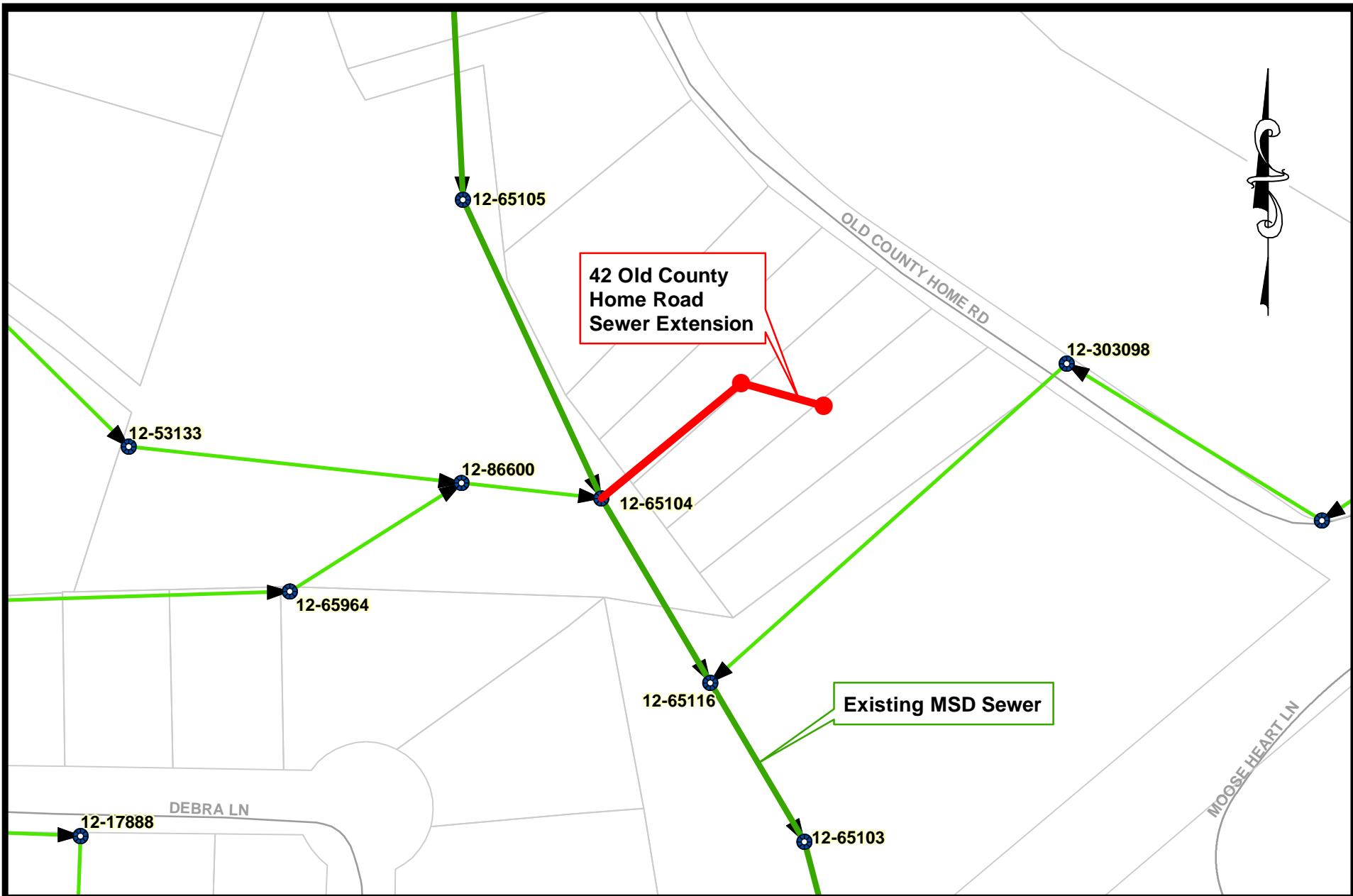
BACKGROUND: This project is located inside the District boundary along Old County Home Road in the City of Asheville. The developer of the project is Michael Ledford of Destiny Construction Management, Inc.

The project included extending approximately 200 linear feet of 8-inch public gravity sewer to serve the five (5) lot single family residential development.

A wastewater allocation was issued in the amount of 1,500 GPD for the project. The estimated cost of the sewer construction is \$26,500.00.

All MSD requirements have been met.

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



MSD
Engineering Division

**42 Old County Home Road Sewer Extension
MSD Project # 2017109**

Metropolitan Sewerage District of Buncombe County

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: January 16, 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 Perry Lane Apartments Sewer Extension, MSD Project No. 2016075

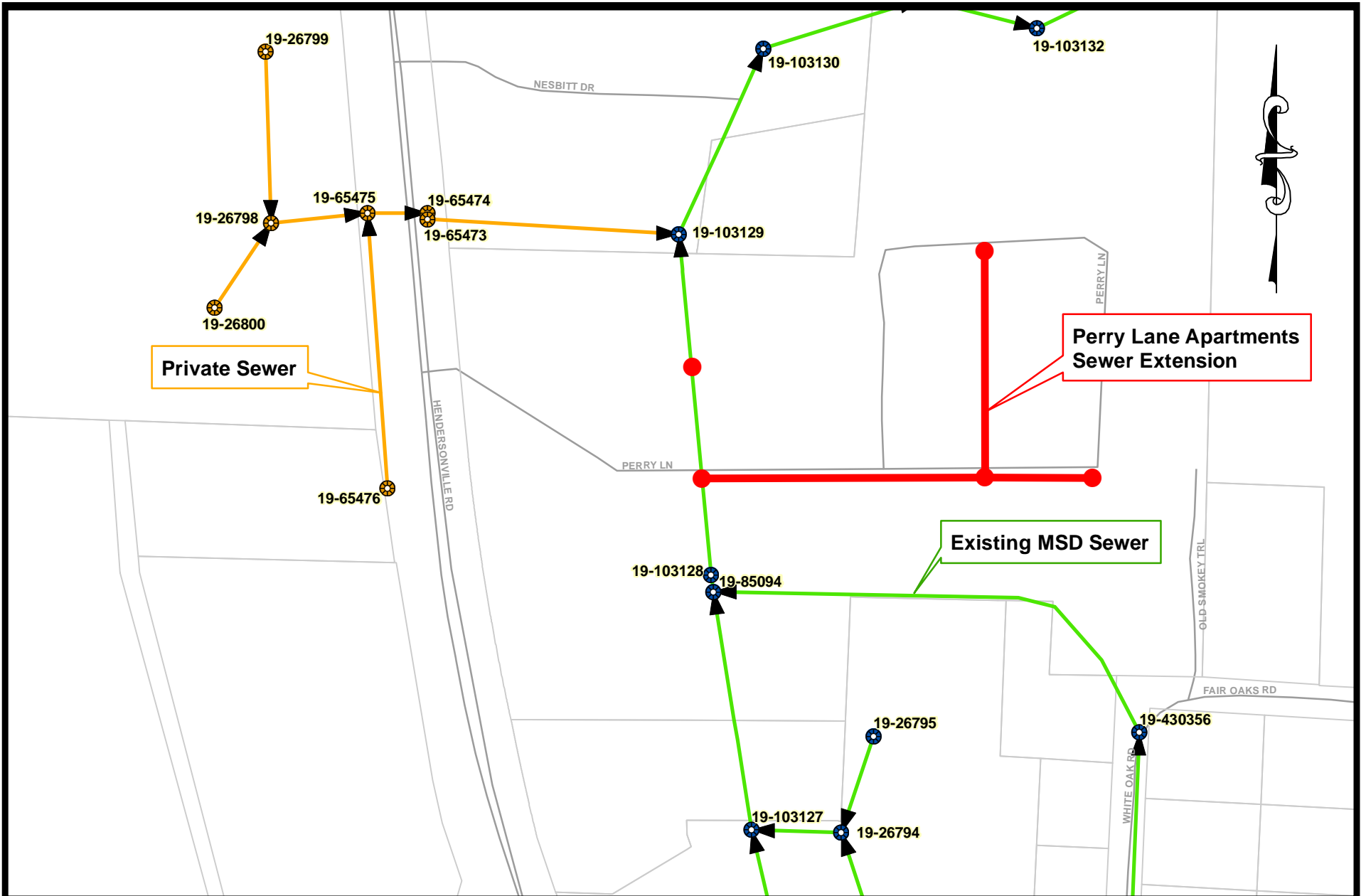
BACKGROUND: This project is located inside the District boundary along Hendersonville Road in Buncombe County. The developer of the project is Fred G. Mills, Sr. of Perry Lane, LLC.

The project included extending approximately 670 linear feet of 8-inch public gravity sewer to serve the 120 unit affordable apartment complex.

A wastewater allocation was issued in the amount of 26,400 GPD for the project. The estimated cost of the sewer construction is \$89,650.17.

All MSD requirements have been met.

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



Private Sewer

Perry Lane Apartments Sewer Extension

Existing MSD Sewer



MSD
Engineering Division

Perry Lane Apartments Sewer Extension
MSD Project # 2016075
Metropolitan Sewerage District of Buncombe County

12/27/18

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: January 16, 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 Preserve at Avery's Creek Phase 1 Sewer Extension, MSD Project No. 2016089

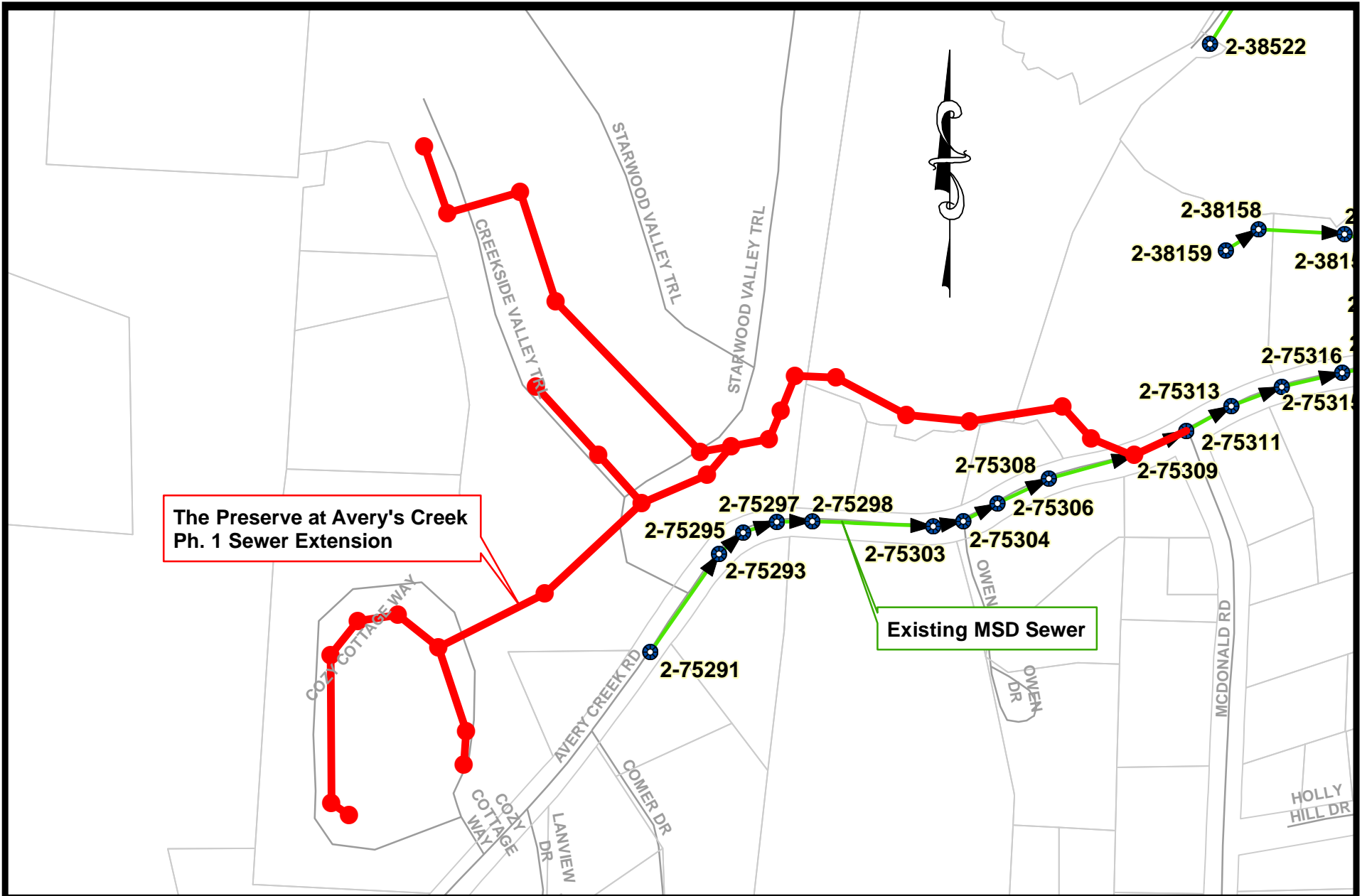
BACKGROUND: This project is located inside the District boundary along Avery Creek Road in Buncombe County. The developer of the project is Frederick Spiegel of Avery's Creek, LLC.

The project included extending approximately 3,740 linear feet of 8-inch public gravity sewer to serve the seventy (70) single family residential units for this phase of the development.

A wastewater allocation was issued in the amount of 21,000 GPD for the project. The estimated cost of the sewer construction is \$264,554.91.

All MSD requirements have been met.

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



The Preserve at Avery's Creek
Ph. 1 Sewer Extension

Existing MSD Sewer



MSD
Engineering Division

**The Preserve at Avery's Creek Ph. 1 Sewer Extension
MSD Project # 2016089**

Metropolitan Sewerage District of Buncombe County

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: January 16, 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 Beacham's Curve Sewer Relocation, MSD Project No. 2017105

BACKGROUND: This project is located inside the District boundary along Haywood Road in the City of Asheville. The developer of the project is Jim Diaz of Big Jake Enterprises, LLC.

The project included relocating approximately 735 linear feet of 8-inch public gravity sewer and abandoning approximately 240 linear feet of public gravity sewer to accommodate and serve the Mixed Use Development.

The sewer relocation on the subject site not only serves the new development, but also solved a difficult problem which had triggered a Capital Improvement Project (Haywood Road at Wellington Street, MSD Project No. 2016105). The Board previously approved a 60% cost participation, up to \$138,600.00, at the July 18, 2018 Board Meeting.

The actual cost of the sewer construction was \$197,958.00. MSD staff reviewed this cost and has determined that \$188,333.00 is the eligible amount for the 60% Cost Participation after subtracting a change order and work that MSD performed to relocate a service line. *This gives a total reimbursement amount of \$112,999.80.* A worksheet showing the various installed quantities and the construction costs is included.

A wastewater allocation was issued in the amount of 12,000 GPD for the project.

All MSD requirements have been met.

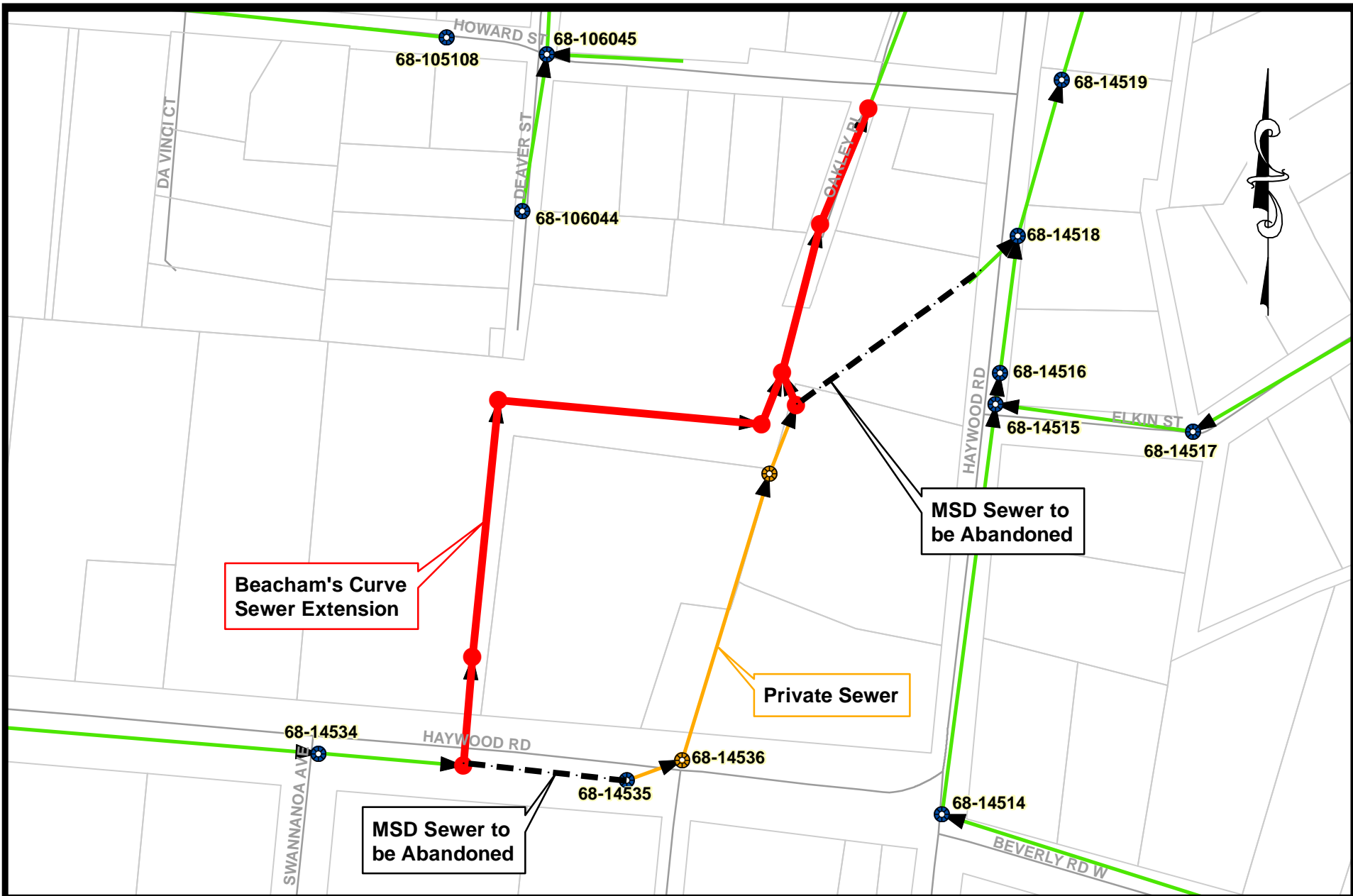
STAFF RECOMMENDATION: Staff recommends acceptance of this developer constructed sewer system and authorization of payment of \$112,999.80 to the developer for the MSD Cost Participation amount. Sufficient funds are available in the CIP Contingency for the payment.

Worksheet for MSD Cost Participation

Source: Beacham's Curve Final Pay Application 10/30/18

January 7, 2019

ITEM	DESCRIPTION	UNIT OF MEASURE		CONTRACT UNIT BID	TOTAL WORK LAST APPLICATION	WORK THIS APPLICATION	TOTAL WORK TO DATE	TOTAL PAYMENT EARNED
A	B	C		D	E (G FROM LAST APPLICATION)	F	G (E & F)	H (D x G)
	Beachams Curve Sewer Pay Request 2 10-30-18							
I	Mobilization	1	LS	\$ 3,000.00	1	0	1	\$ 3,000.00
II	Sanitary Sewer							
1	Tie to Existing SS	3	EA	\$ 6,000.00	2	1	3	\$ 18,000.00
2	8" DIP	908	LF	\$ 83.00	681	0	681	\$ 56,523.00
3	Manholes	7	EA	\$ 4,000.00	6	0	6	\$ 24,000.00
4	Manhole on Existing Line	2	EA	\$ 8,000.00	1	1	2	\$ 16,000.00
5	Cleanouts	16	EA	\$ 300.00	10	0	10	\$ 3,000.00
6	Sewer Services	8	EA	\$ 1,600.00	6	1	7	\$ 11,200.00
7	Traffic Control	1	LS	\$ 4,000.00	0	1	1	\$ 4,000.00
8	Pump Around SS	1	LS	\$ 7,000.00	0	1	1	\$ 7,000.00
9	Asphalt Patch	1	LS	\$ 27,000.00	0	0.75	0.75	\$ 20,250.00
10	Overlay Asphalt	1	LS	\$ 31,000.00	0	0.48	0.48	\$ 14,880.00
11	ABC Parking Area	300	Ton	\$ 25.00	250	50	300	\$ 7,500.00
12	Rock Wall, Sidewalk Repair	1	LS	\$ 21,000.00	0	0.3	0.3	\$ 6,300.00
13	Testing	1	LS	\$ 2,000.00	0	1	1	\$ 2,000.00
	Subtotal SS			\$ 254,464.00	\$ 119,373.00	\$ 71,280.00	\$ 190,653.00	\$ 190,653.00
	Total			\$ 257,464.00	\$ 122,373.00	\$ 71,280.00	\$ 193,653.00	\$ 193,653.00
	Change Order items							
1	Street Cut Permit	1	LS	\$ 2,805.00	1	0	1	\$ 2,805.00
2	DOT Bond	1	LS	\$ 1,500.00	1	0	1	\$ 1,500.00
	Subtotal CO			\$ 4,305.00	\$ 4,305.00	\$ -	\$ 4,305.00	\$ 4,305.00
	Total			\$ 261,769.00	\$ 126,678.00	\$ 71,280.00	\$ 197,958.00	\$ 197,958.00
				\$ 197,958.00	Change Order Items (\$4,305.00)	MSD Work (\$5,320)	Total Eligible	\$ 188,333.00
				60%	\$188,333.00	=	\$112,999.80	



Beacham's Curve
Sewer Extension

Private Sewer

MSD Sewer to
be Abandoned

MSD Sewer to
be Abandoned



MSD
Engineering Division

**Beacham's Curve Sewer Extension
MSD Project # 2017105**

Metropolitan Sewerage District of Buncombe County

Metropolitan Sewerage District of Buncombe County

BOARD INFORMATIONAL ITEM

Meeting Date: January 16, 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 November 30, 2018

Background

Each month, staff presents to the Board an investment report for all monies in bank accounts and specific investment instruments. The total investments as of November 30, 2018 were \$75,383,781. The detailed listing of accounts is available upon request. The average rate of return for all investments is 1.712%. 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 November 30, 2018 do not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of November 30, 2018 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is \$33,347,545.

Total Cash & Investments as of 11/30/2018		75,383,781
Less:		
Budgeted Commitments (Required to pay remaining FY19 budgeted expenditures from unrestricted cash)		
Construction Funds	(16,852,448)	
Operations & Maintenance Fund	(10,621,254)	
		(27,473,702)
Bond Restricted Funds		
Bond Service (Funds held by trustee):		
Funds in Principal & Interest Accounts	(51,903)	
FY19 Principal & Interest Due	(8,979,019)	
		(9,030,922)
District Reserve Funds		
Fleet Replacement	(671,362)	
Pump Replacement	(150,677)	
WWTP Replacement	(298,669)	
Maintenance Reserve	(983,945)	
		(2,104,653)
District Insurance Funds		
General Liability	(83,074)	
Worker's Compensation	(292,406)	
Post-Retirement Benefit	(1,828,791)	
Self-Funded Employee Medical	(1,222,688)	
		(3,426,959)
Designated for Capital Outlay		33,347,545

Meeting Date: January 16, 2019

Subject: Cash Commitment/Investment Report-Month Ended November 30, 2018

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Staff Recommendation

None - Information Only.

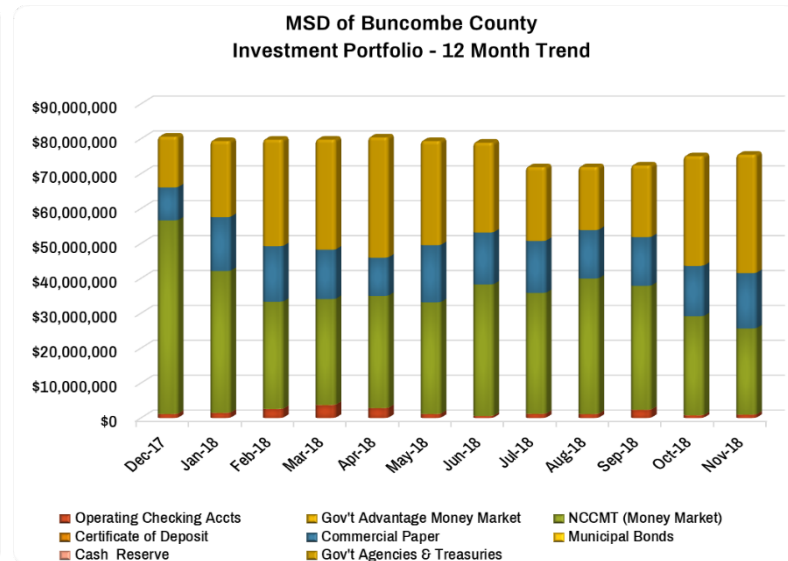
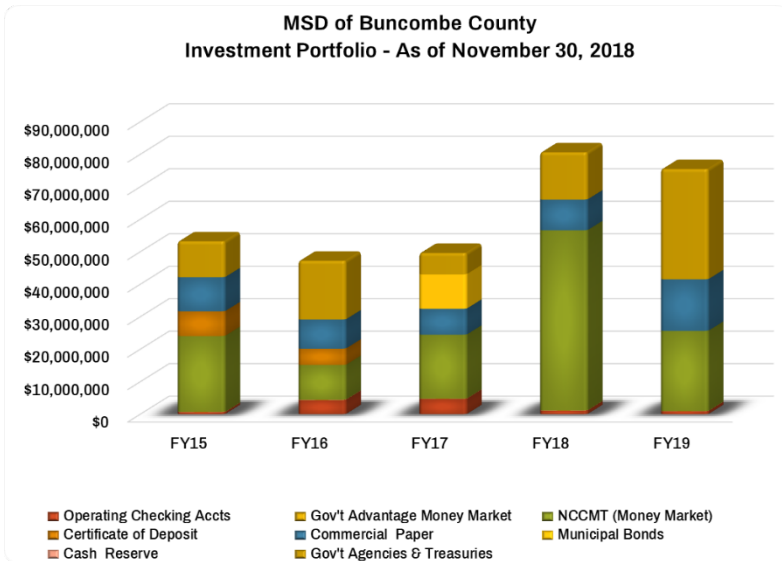
Action Taken

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**

	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	\$ -	\$ -	\$ 53,573	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,573
Held by MSD	930,000	46,680	24,609,318	-	15,876,068	-	-	33,868,142	75,330,208
	\$ 930,000	\$ 46,680	\$ 24,662,891	\$ -	\$ 15,876,068	\$ -	\$ -	\$ 33,868,142	\$ 75,383,781

Investment Policy Asset Allocation	Maximum Percent	Actual Percent	
U.S. Government Treasuries, Agencies and Instrumentalities	100%	46.43%	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 2.33% is exceeding the YTM benchmark of the NCCMT Government Portfolio.
Commercial Paper	20%	19.56%	
Municipal Bonds	100%	0.00%	
North Carolina Capital Management Trust	100%	32.72%	
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		1.23%	
Gov't Advantage Money Market		0.06%	



Meeting Date: January 16, 2019

Subject: Cash Commitment/Investment Report-Month Ended November 30, 2018

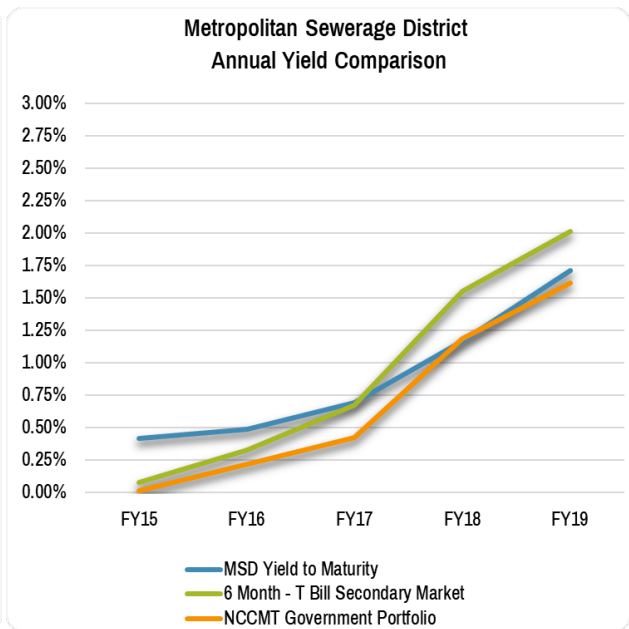
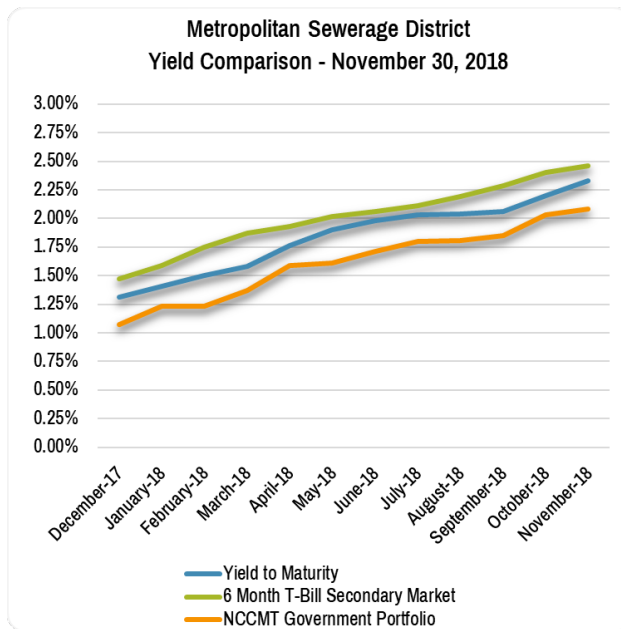
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**Metropolitan Sewerage District
INVESTMENT MANAGERS' REPORT
At November 30, 2018**

Summary of Asset Transactions			
	Original Cost	Market	Interest Receivable
Beginning Balance	\$ 71,500,801	\$ 71,509,749	\$ 114,578
Capital Contributed (Withdrawn)	188,415	188,415	
Realized Income	102,416	102,416	(63,561)
Unrealized/Accrued Income		64,203	42,840
Ending Balance	<u>\$ 71,791,632</u>	<u>\$ 71,864,783</u>	<u>\$ 93,857</u>

Value and Income by Maturity			
	Original Cost	Income	
Cash Equivalents <91 Days	\$ 37,923,491	\$ 77,070	
Securities/CD's 91 to 365 Days	18,437,021	\$ 37,468	
Securities/CD's > 1 Year	15,431,120	\$ 31,360	
	<u>\$ 71,791,632</u>	<u>\$ 145,898</u>	

Month End Portfolio Information	
Weighted Average Maturity	192
Yield to Maturity	2.33%
6 Month T-Bill Secondary Market	2.46%
NCCMT Government Portfolio	2.08%

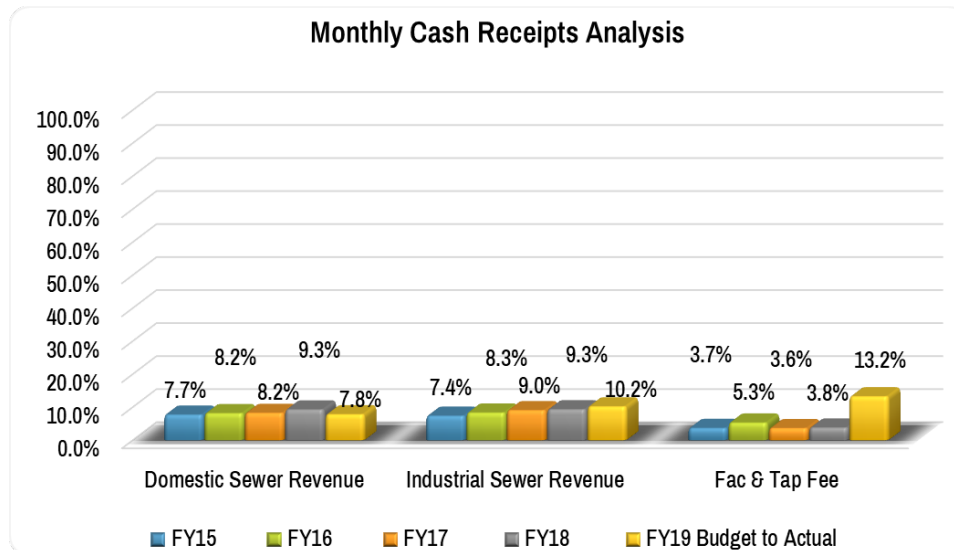


Meeting Date: January 16, 2019

Subject: Cash Commitment/Investment Report-Month Ended November 30, 2018

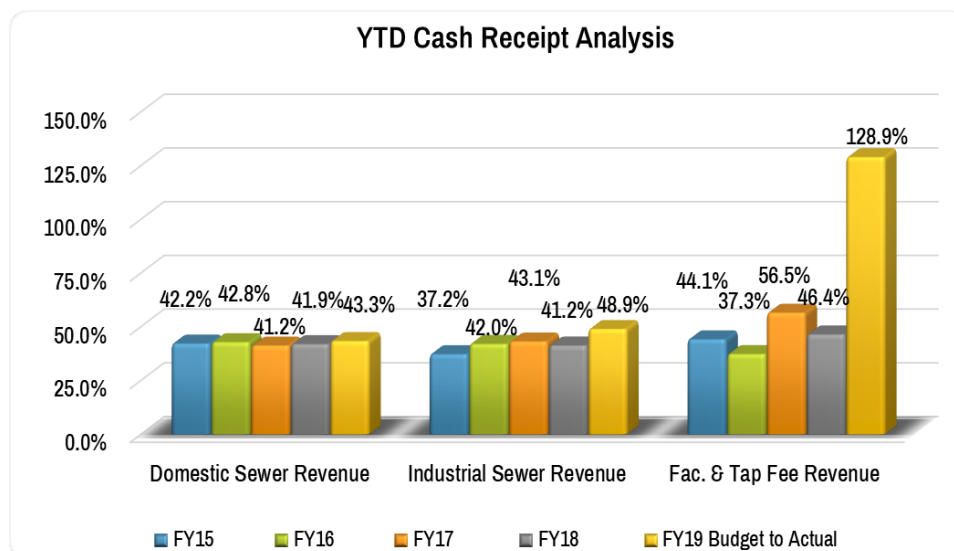
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Metropolitan Sewerage District
ANALYSIS OF CASH RECEIPTS
As of November 30, 2018



Monthly Cash Receipts Analysis:

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



YTD Actual Revenue Analysis:

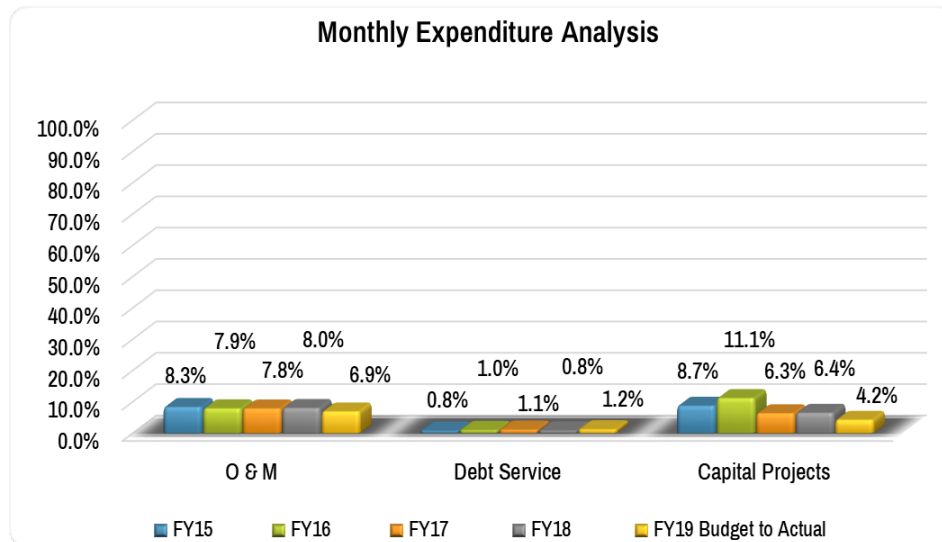
- ✓ YTD domestic sewer revenue is considered reasonable based on historical trends.
- ✓ YTD industrial sewer revenue is reasonable based on historical trends.
- ✓ Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap fee revenue reasonable.

Meeting Date: January 16, 2019

Subject: Cash Commitment/Investment Report-Month Ended November 30, 2018

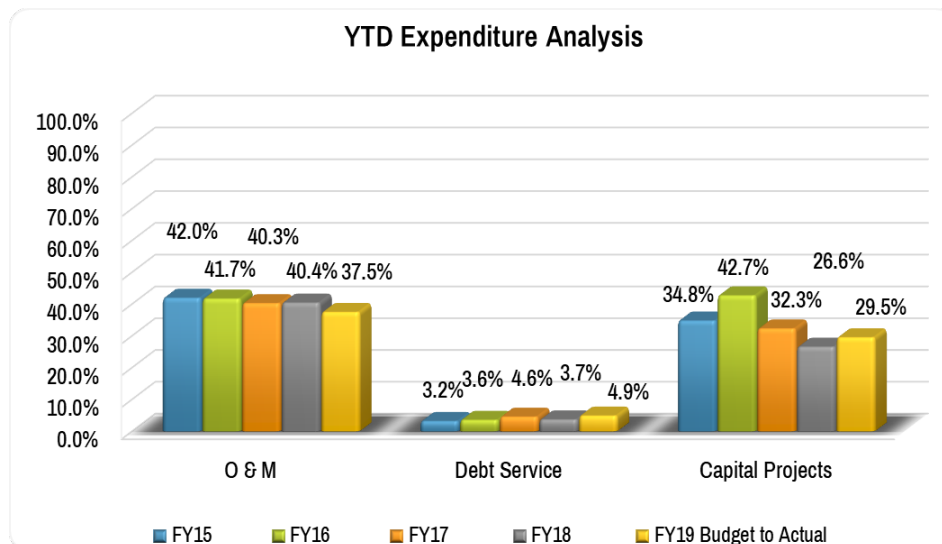
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Metropolitan Sewerage District
ANALYSIS OF EXPENDITURES
As of November 30, 2018



Monthly Expenditure Analysis:

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



YTD Expenditure Analysis:

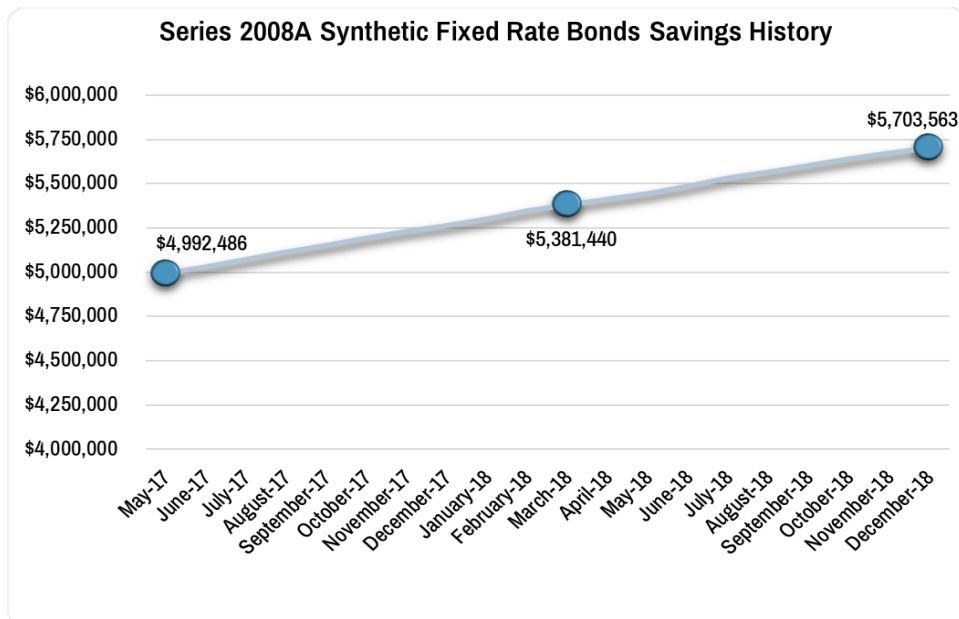
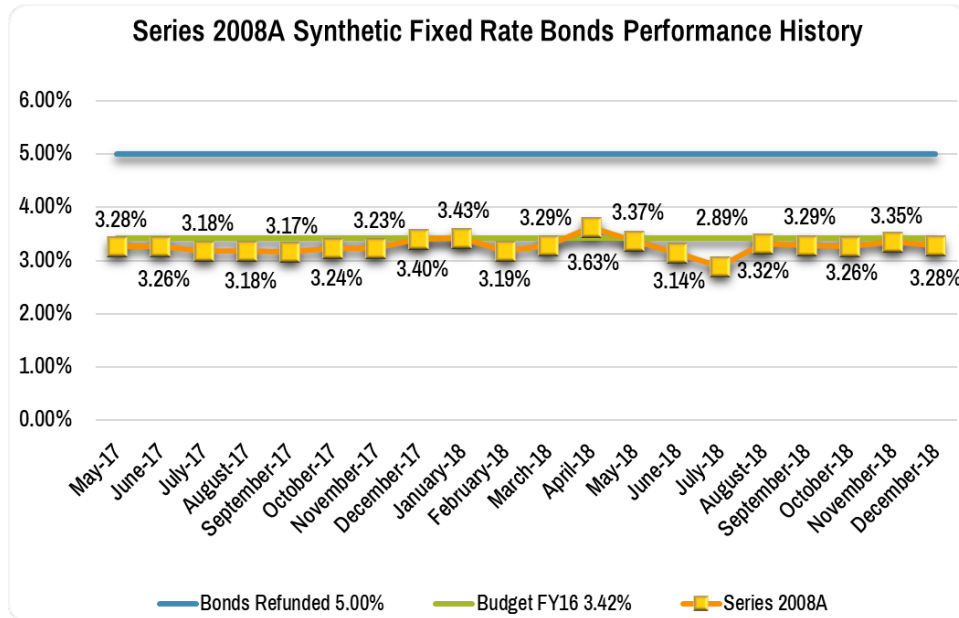
- ✓ YTD O&M expenditures are considered reasonable based on historical trends.
- ✓ Due to the nature of the variable rate bond market, YTD expenditures can vary year to year. Based on current variable interest rates, YTD debt service expenditures are considered reasonable.
- ✓ Due to nature and timing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

Meeting Date: January 16, 2019

Subject: Cash Commitment/Investment Report-Month Ended November 30, 2018

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Metropolitan Sewerage District
VARIABLE DEBT SERVICE REPORT
As of December 31, 2018



Series 2008A:

- ✓ Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$5,703,563 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 \$2,685,541 to terminate the existing Bank of America Swap Agreement.

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			Construction is underway
217 Mountain View Road Sewer Rehabilitation	Asheville	28805	979	1/2/19 - 2/1/19	257484	631			Ready for construction
70 Hampton Street Sewer Replacement	Asheville	28803	273	FY 18-19	256291	674			Ready for construction
Laurel Road Phase 2B	Arden	28704	1078	FY 18-19	250366	631			Ready for construction
26 Wilshire Drive Sewer Rehabilitation	West Asheville	28806	1478	FY 18-19	235158	TBA			Ready for construction
252 Kenilworth Road (Phase 1)	Asheville	28803	800	FY 18-19	234632	TBA			Ready for construction
Weaverville #2 FM By-pass	Woodfin	28804	2300	FY 18-19	258476	TBA			Ready for construction
Saint Johns Street Force Main Replacement	Arden	28704	1040	FY 18-19	238516	TBA			Ready for construction
149 State Street Sewer Rehabilitation	Asheville	28806	265	FY 18-19	237791	TBA			In ROW
Waynensville Avenue at Brownwood	Asheville	28806	370	FY 18-19	247283	TBA			In ROW
15 Dew Waite Road	Ridgecrest	28770	533	FY17-18	236553	TBA			In ROW
12 Mayflower Drive Sewer Rehabilitation	Asheville	28804	350	FY 18-19	247347	TBA			In Desin
Barnard Avenue at Lookout Sewer Rehabilitation	Asheville	28804	200	FY 18-19	236089	TBA			Preliminary Engineering
East Grovestone Quarry Sewer Rehabilitation	Black Mountain	28711	780	FY 18-19	213459	TBA			Preliminary Engineering



CONSTRUCTION TOTALS BY DATE COMPLETED - Monthly

From 7/1/2018 to 11/30/2018

	Dig Ups	Emergency Dig Ups	Dig Up ML Ftg	Dig Up SL Ftg	Manhole Repairs	Taps Installed	ROW Ftg	IRS Rehab Ftg *	Const Rehab Ftg *	D-R Rehab Ftg *	Manhole Installs	Bursting Rehab Ftg *	Total Rehab Ftg *
July 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	450	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
Grand Totals	136	48	683	4,215	130	151	27,152	0	1933	4148	53	1,495	7576

* Used to calculate Total Rehab Footage



PIPELINE MAINTENANCE TOTALS BY DATE COMPLETED - Monthly

July 01, 2018 to November 30, 2018

	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
Grand Total:	387,724	6,261	30,680	418,404	111,373	70,503	46,041
Avg Per Month:	77,545	1,252	6,136	83,681	22,275	14,101	9,208



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
		469	24	35
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
		83	23	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
		192	47	46
Grand Totals:		744	30	36

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

Right of Way Section Summary Open Projects

<i>Project</i>	<i>Total ROW Budget</i>	<i>Total Expends to Date</i>	<i>Comment</i>
15 Dew Waite Road SSR	\$16,588		Intro letters out 10/18/18.
26 Wilshire Drive Sewer Rehabilitation	\$29,150	\$18,764	Access 87% complete with 64% of Total Budget expended to date.
Asheville Country Club GSR	\$111,637	\$111,637	Project 100% complete with 100% of Total Budget expended to date. This was a System Services project. One condemnation filed; settled prior to trial.
Christian Creek Interceptor	\$100,477	\$26,876	Access 68% complete with 27% of Total Budget expended to date.
Long Shoals Road @ Allen Avenue GSR	\$25,300	\$13,068	Project 100% complete with 52% of Total Budget expended to date and no condemnations.
Nebraska Street Emergency Relocation	\$65,597	\$65,597	Project 100% complete with 100% of Total Budget expended. This was an emergency project built by System Service. One condemnation filed; settled prior to trial.

CAPITAL IMPROVEMENT PROGRAM

STATUS REPORT SUMMARY

January 9, 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	3/1/2019	4/30/2019	\$513,420.00	0%	Submittal process has begun.
BEAUCATCHER ROAD @ KENILWORTH ROAD	Asheville 28805	TBD	TBD	TBD	TBD	TBD	0%	Project bid on December 20th. Terry Brothers is the apparent low bidder. Project will be presented at the January Board meeting.
DRY RIDGE ROAD (4-INCH MAIN)	Asheville 28804	Buckeye Bridge, LLC	9/19/2018	11/12/2018	3/1/2019	\$282,853.90	15%	Pipe work underway.
HILL STREET	Asheville 28801	Terry Brothers Construction Company	7/18/2018	8/1/2018	2/1/2019	\$654,969.00	99%	Minor punchlist work remains.
KENILWORTH ROAD @ SPRINGDALE ROAD	Asheville 28805	TBD	TBD	TBD	TBD	TBD	0%	Project bid on December 20th. Terry Brothers is the apparent low bidder. Project will be presented at the January Board meeting.
MEMORY LANE	Asheville 28805	Terry Brothers Construction Company	6/13/2018	10/1/2018	1/29/2019	\$652,274.80	90%	All mainline construction and services are complete. Paving will be done in the Spring.
OLD HAW CREEK ROAD @ GREENBRIAR ROAD	Asheville 28805	TBD	TBD	TBD	TBD	TBD	0%	Project bid on December 20th. Terry Brothers is the apparent low bidder. Project will be presented at the January Board meeting.
OLD WEST CHAPEL ROAD	Asheville 28803	Terry Brothers Construction Company	11/21/2018	1/10/2019	6/9/2019	\$982,155.00	0%	A preconstruction meeting is scheduled for January 10th.
SOUTH FRENCH BROAD INTERCEPTOR - LINING (FY 18-19)	Biltmore Estate	Granite Inliner, LLC	10/17/2018	1/2/2019	4/2/2019	\$1,044,679.00	0%	By-pass set up is underway.
WRF - INTERMEDIATE CLARIFIER SLIDE GATES REPLACEMENT	Woodfin	NHM Constructors	9/19/2018	11/5/2018	5/4/2019	\$154,300.00	0%	Gates are in route. Stop log has been poured. Suspended slab over influent channel will be opened this week.
WRF - PLANT HEADWORKS IMPROVEMENTS	Woodfin	Judy Construction Company	1/18/2017	4/3/2017	2/25/2019	\$9,444,462.62	88%	Startup testing and verification complete. System Integration complete and system is technically in full auto. Bypass plan and equipment are being put in place. Tie in expected later this month.
WRF- PLANT HIGH RATE PRIMARY TREATMENT	Woodfin	Shook Construction Company	10/17/2018	1/7/2019	10/28/2020	\$15,071,000.00	0%	Shook has mobilized. Equipment is arriving and first load of small pipe is expected this week. Job trailer will be set soon.

*Updated to reflect approved Change Orders and Time Extensions

Planning & Development Project Status Report

Active Construction Projects Sorted by Work Location and Project Number

January 4, 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	Waiting on final inspection
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	Atkins Street	2016009	Asheville	28803	45	903	1/20/2017	Final Inspection complete, awaiting close-out docs
5	Towne Place Suites	2016012	Asheville	28801	83	342	9/11/2018	Pre-con held, construction 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	Relocation of portion of line
8	The Peaks Shopping Center	2016175	Asheville	28805	4	850	5/11/2018	Waiting on final inspection
9	Hawthorne at Mills Gap	2016222	Asheville	28803	272	442	10/3/2017	Waiting on final inspection
10	Ashecroft	2016229	Asheville	28806	40	2,450	2/20/2018	Phase 1 - Punchlist items pending / Phase 2 - Installing
11	Grindstaff Subdivision	2016246	Asheville	28805	4	132	6/23/2017	Final Inspection complete, awaiting close-out docs
12	Onteora	2017002	Asheville	28803	6	417	7/18/2017	Final Inspection complete, awaiting close-out docs
13	Gerber Road Storage	2017049	Asheville	28803	Comm.	156	2/9/2018	Waiting on final inspection
14	RADTIP	2017052	Asheville	28801	0	919	2/13/2018	Installing
15	Panda Express	2017080	Asheville	28805	Comm.	100	9/8/2017	Waiting on final inspection
16	Rock Hill Road	2017096	Asheville	28803	15	990	7/24/2018	Installing
17	605 Fairview Road	2017103	Asheville	28803	10	380	5/18/2018	Waiting on final inspection
18	Villa Heights	2017118	Asheville	28806	8	540	2/20/2018	Testing
19	McCormick Place	2017150	Asheville	28801	17	210	8/3/2018	Waiting on final inspection
20	Flint Street	2017176	Asheville	28801	2	90	12/28/2018	Pre-con held, construction not yet started
21	Cisco Road	2017220	Asheville	28805	7	170	9/25/2018	Waiting on final inspection
22	Hawthorne Apartments @ Haywood	2017225	Asheville	28806	240	1,604	10/19/2018	Installing
23	Fernwood Avenue	2017251	Asheville	28806	3	368	10/30/2018	Pre-con held, construction not yet started
24	US 74 Commercial Development	2018010	Asheville	28803	4	265	5/25/2018	Pre-con held, construction not yet started
25	Sunrise Drive Homes	2018046	Asheville	28806	5	220	7/20/2018	Waiting on final inspection
26	Alice Place Subdivision	2018066	Asheville	28803	19	480	6/19/2018	Punchlist pending
27	Ingles Smokey Park Highway	2018074	Asheville	28806	1	1,289	4/11/2014	Installing
28	Cypress Knoll Gardens	2018121	Asheville	28803	7	90	10/30/2018	Pre-con held, construction not yet started
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	Sweet Birch Lane	2017111	Black Mountain	28711	65	780	9/28/2018	Testing
32	Chapman's Cove	2017227	Black Mountain	28711	10	430	9/21/2018	Waiting on final inspection
33	White Oak Circle	2018197	Black Mountain	28711	4	330	10/30/2018	Pre-con held, construction not yet started
34	Hyde Park Phase 2	2013058	Buncombe Co.	28704	14	500	12/3/2013	Waiting on final inspection
35	Creekside Cottages	2014095	Buncombe Co.	28704	7	504	3/12/2015	Waiting on final inspection
36	Avondale Subdivision	2015052	Buncombe Co.	28803	4	215	4/7/2017	Final Inspection complete, awaiting close-out docs
37	Bee Tree Village	2015158	Buncombe Co.	28778	26	1,118	3/17/2017	Waiting on final inspection
38	Newbridge Pkwy Apts. Phase II	2016013	Buncombe Co.	28804	154	1,368	10/27/2017	Final Inspection complete, awaiting close-out docs
39	Weatherwood Subdivision	2016034	Buncombe Co.	28704	19	785	7/21/2017	Final Inspection complete, awaiting close-out docs
40	The Preserve at Avery's Creek Phase 2	2018188	Buncombe Co.	28704	141	4,000	6/16/2017	Installing
41	NC DOT I-5504 NC 191/I-26 Interchange	2016132	Buncombe Co.	28806	0	355	10/23/2017	Installing
42	New Salem Heights	2016192	Buncombe Co.	28778	25	816	2/13/2018	Waiting on final inspection
43	Villas of Avery Creek	2017068	Buncombe Co.	28704	270	3,170	9/18/2018	Installing
44	ABCCM	2017083	Buncombe Co.	28806	60	4,069	12/4/2018	Pre-con held, construction not yet started
45	Curry Court - Habitat	2017086	Buncombe Co.	28715	12	557	4/13/2018	Waiting on final inspection
46	240 Old Farm School Road	2017112	Buncombe Co.	28805	4	340	2/9/2018	Final Inspection complete, awaiting close-out docs
47	Fields BMW	2018022	Buncombe Co.	28704	3	490	10/9/2018	Testing
48	Rosscraggon Road Subdivision	2018048	Buncombe Co.	28704	4	370	4/20/2018	Waiting on final inspection
49	The Ramble Block I	2018050	Buncombe Co.	28803	39	7,316	12/4/2018	Pre-con held, construction not yet started
50	Upper Grassy Branch Road	2018087	Buncombe Co.	28805	6	250	8/31/2018	Testing
51	Bee Tree Road	2018115	Buncombe Co.	28778	6	240	12/18/2018	Pre-con held, construction not yet started
52	New Riparian	2018156	Buncombe Co.	28778	5	275	9/28/2018	Waiting on final inspection
53	Starview Heights	2016184	Weaverville	28787	16	Private	1/12/2018	Final Inspection complete, awaiting close-out docs
54	Wheeler Road	2017019	Weaverville	28787	72	1,535	3/28/2018	Waiting on final inspection
55	44 Central Ave	2017107	Weaverville	28787	7	275	10/27/2017	Final Inspection complete, awaiting close-out docs
56	Maple Trace Phase 2	2017160	Weaverville	28787	37	2,560	3/27/2018	Waiting on final inspection
57	Ambler's Chase	2017249	Weaverville	28787	21	1,235	11/29/2018	Installing
58	Crest Mountain Phase 3B	2013041	Woodfin	28806	69	1,329	10/15/2013	Punchlist pending, awaiting closeout documents (roadwork remaining)
59	Reese & Jan Lasher (High Hopes)	2015152	Woodfin	28806	14	320	4/26/2016	Final Inspection complete, awaiting close-out docs
60	Ventana Phase 2A	2016059	Woodfin	28806	8	900	2/17/2017	Final Inspection complete, awaiting close-out docs
61	Olivette Development-Phase 1 Gravity	2016065	Woodfin	28804	356	1,155	3/29/2018	Installing
62	Olivette Pump Station/Force Main	2016213	Woodfin	28804	356	1,740	2/27/2018	Grading has begun / Waiting on pump station
63	Ricky Robinson Property	2017088	Woodfin	28804	1	385	7/31/2018	Waiting on final inspection
64	Apple Lane	2017130	Woodfin	28804	4	60	8/31/2018	Pre-con held, construction not yet started
65	88 North Merrimon Avenue	2017196	Woodfin	28804	Comm.	455	5/11/2018	Waiting on final inspection
66	Greenwood Fields Phase 2	2018006	Woodfin	28804	158	2,200	3/9/2018	Final Inspection complete, awaiting close-out docs
67	Olivette Gravity Phase 2	2018116	Woodfin	28804	94	12,406	11/27/2018	Pre-con held, construction not yet started
68	Skyfin-Terraces at Reynolds Mtn -Phase 3&4	2018187	Woodfin	28804	22	845	8/8/2017	Waiting on final inspection and phasing
			TOTAL		2,943	70,929		