

BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
September 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, July 18, 2018. Chairman VeHaun presided with the following members present: Bryson, Holland, Kelly, Manheimer, Pelly, Pressley, Root, Watts, Whitesides and Wisler. Ashley was absent.

Others present were: Thomas E. Hartye, PE, General Manager; William Clarke, General Counsel; Rachel McGraw Burgess with Woodfin Sanitary Water and Sewer District; Ed Bradford, Scott Powell, Hunter Carson, Angel Banks, Ken Stines, Peter Weed, Mike Stamey, Jim Hemphill 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 August 15, 2018 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the August 15, 2018 Board Meeting. Mr. Watts moved for approval of the minutes as presented. Mr. Pressley 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 Rachel McGraw Burgess with Woodfin Sanitary Water & Sewer District. There was no public comment.

6. Report of General Manager:

Mr. Hartye reported that the attached budget recap is provided to the Board every year as an aid to answer questions of those you represent. Those questions are mostly financial, benefit or bill related and most of the details are in this recap.

Mr. Hartye reported that MSD received the Platinum 6 Peak Performance Award from NACWA for six years of consistent compliance at the Water Reclamation Facility. Thanks to all of the operations and maintenance personnel at the treatment plant.

Mr. Hartye reported that attached is an email, originally sent to the COA, from Jim Parker and Jane Ykoyana expressing their appreciation for Mickey Roberts assistance.

Mr. Hartye reported that attached is a transcript of a call from Barbara Stoerer of West Point Drive in Asheville expressing her appreciation for McKinley Hensley and crew, Carl Ellington, Josh Matthews, Brandon Flynn, Wayne Rice, Pete Cole and Robert Honeycutt.

Mr. Hartye reported that the September Right of Way Committee meeting was cancelled. The next Right of Way Committee meeting will be held on October 24th at 9 am. The next regular Board Meeting will be held on October 17th at 2 pm. The Employee Picnic will be held tomorrow behind the Maintenance Facility.

7. Consolidated Motion Agenda:

a. Consideration of Bids: Four Inch Main–Dry Ridge Road Sanitary Sewer Rehabilitation Project:

Mr. Hartye reported that this project is located in North Asheville, above Beaver Lake, and consists of replacing problematic four-inch Orangeburg line. When Orangeburg line is encountered in the MSD system, it is automatically placed on the CIP for replacement. It is comprised of 907 LF of 8-inch DIP. The contract was informally advertised and three bids were received on August 30, 2018 as follows: Thomas Construction Company in the amount of \$479,500.00, Terry Brothers Construction Company in the amount of \$317,264.50 and Buckeye Bridge, LLC in the amount of \$282,853.90.00. The apparent low bidder is Buckeye Bridge, LLC with a bid amount of \$282,853.90. Buckeye Bridge has completed numerous MSD sewer rehabilitation projects and their work quality has been excellent on those projects. The FY18-19 Construction Budget for this project is \$320,000.00. Staff recommends award of this contract to Buckeye Bridge, LLC in the amount of \$320,000.00, subject to review and approval by District Counsel.

b. Consideration of Bids: Intermediate Clarifier Slide Gate Replacement:

Mr. Hartye reported that this project is located at the plant and the slide gates are located within the clarifier which help isolate cells and perform maintenance. The existing slide gates are the original units, approximately 29 years old, and in need of replacement. The contract was informally advertised and two bids were received on August 30, 2018 as follows: JS Haren Company in the amount of \$157,000.00 and NHM Constructors, LLC in the amount of \$154,300.00. The apparent low bidder is NHM Constructors, LLC with a bid amount of \$154,300.00. NHM has completed several projects at the treatment plant and they are currently working on the Headworks project. Their work quality and performance has been excellent on these projects. The FY18-19 Construction Budget for this project is \$243,000.00 which includes \$160,000.00 for the Slide Gates and \$74,000.00 for additional work which will be performed by plant staff. Staff recommends award of this contract to NHM Constructors, LLC in the amount of \$154,300.00, subject to review and approval by District Counsel.

c. Consideration of Developer Constructed Sewer Systems: Hampton Inn; Greenwood Park; Lake Louise; Long Shoals Apartments; The Ramble, Block F; Skyland Exchange; The Terraces @ Reynolds Mountain Phase I:

Mr. Hartye reported that the Hampton Inn project consisted of relocating approximately 287 linear feet of 8-inch public gravity sewer along with abandoning 265 linear feet to accommodate the commercial development.

Mr. Hartye reported that the Greenwood Park project included extending approximately 335 linear feet of 8-inch public gravity sewer to serve the 8 units of this phase of the single family residential development.

Mr. Hartye reported that the Lake Louise project is located off Lakeshore Drive in the Town of Weaverville and included extending approximately 335 linear feet of 8-inch public gravity sewer to serve the 14 unit residential development.

Mr. Hartye reported that the Long Shoals Apartments project is located off Long Shoals Road and included extending approximately 959 linear feet of 8-inch public gravity sewer to serve the 475 unit apartment complex.

Mr. Hartye reported that the Ramble, Block F Phase 1 project included extending approximately 3,838 linear feet of 8-inch public gravity sewer to serve the 24 unit residential development.

Mr. Hartye reported that the Skyland Exchange project is located off Long Shoals Road in the City of Asheville. This project included replacing 773 linear feet of 8-inch public gravity sewer, extending approximately 544 linear feet of 8-inch public gravity sewer and abandoning approximately 645 linear feet of public gravity sewer to serve the 292 unit apartment complex.

Mr. Hartye reported that the Terraces at Reynolds Mountain, Phase 1 is located in the Town of Woodfin and included extending approximately 293 linear feet of 8-inch public gravity sewer to serve the 16 townhomes for this phase of the residential development.

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

d. Cash Commitment/Investment Report Month ended July, 2018:

Mr. Powell reported that Page 39 presents the makeup of the District's Investment Portfolio. There has been an approximately \$6 million decrease from the previous months report due to the District making its July 1 debt service payment. Page 40 is the MSD's Investment Manager's report for the month of July. The weighted average maturity of the investment portfolio is 122 days. The yield to maturity is 2.03%. Page 41 presents the analysis of the District's Cash Receipts. Monthly domestic sewer revenue is considered reasonable based on historical trends. Monthly and YTD industrial sewer revenue as well as facility

and tap fees are considered reasonable based on historical trends. Page 42 presents the District's analysis of expenditures. Monthly and YTD expenditures are considered reasonable based upon historic trends. Page 43 presents the District's Variable Debt Service report. The 2008 A Series is performing better than budgeted expectations. As of the end of August the issue has saved the District customers approximately \$5.6 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. Wisler seconded the motion. Roll call vote was as follows: 11 ayes; 0 Nays.

9. Old Business:

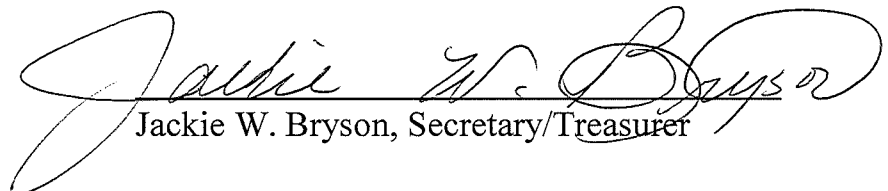
None

10. New Business:

None

11. Adjournment:

With no further business, Mr. VeHaun called for adjournment at 2:15 pm.


Jackie W. Bryson, Secretary/Treasurer

MSD

Regular Board Meeting

Metropolitan Sewerage District
of Buncombe County, NC

AGENDA FOR 9/19/18

✓	Agenda Item	Presenter	Time	
	Call to Order and Roll Call	VeHaun	2:00	
	01. Inquiry as to Conflict of Interest	VeHaun	2:10	
	02. Approval of Minutes of the August 15, 2018 Board Meeting	VeHaun	2:15	
	04. Discussion and Adjustment of Agenda	VeHaun	2:20	
	05. Informal Discussion and Public Comment	VeHaun	2:25	
	06. Report of General Manager	Hartye	2:30	
	07. Consolidated Motion Agenda	Hartye	2:40	
	a. Consideration of Bids: Four-inch Main – Dry Ridge Road	Hartye		
	b. Consideration of Bids: Intermediate Clarifier Slide Gate Replacement	Hartye		
	c. Consideration of Developer Constructed Sewer Systems: Hampton Inn; Greenwood Park; Lake Louise; Long Shoals Apartments; The Ramble, Block F; Skyland Exchange; The Terraces @ Reynolds Mountain Ph. 1	Hartye		
	d. Cash Commitment Investment Report-Month ended July, 2018	Powell		
	09. Old Business:	VeHaun	3:00	
	10. New Business:	VeHaun	3:05	
	11. Adjournment: (Next Meeting 10/17/18)	VeHaun	3:10	
	STATUS REPORTS			

BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
August 15, 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 2:06 pm Wednesday, August 15, 2018. Chairman VeHaun presided with the following members present: Ashley, Bryson, Holland, Kelly, Pelly, Pressley, Root, Watts, Whitesides and Wisler. Manheimer was absent.

Others present were: Thomas E. Hartye, PE, General Manager; William Clarke, General Counsel; Forrest Westall with McGill Associates; Joseph Martin with Woodfin Sanitary Water and Sewer District; Patty Beaver with CIBO; Mike Bryant with NC League of Municipalities, Ed Bradford, Hunter Carson, Scott Powell, Ken Stines, Mike Stamey, Peter Weed, Pam Thomas, Angel Banks 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 July 18, 2018 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the July 18, 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 reported that Al Whitesides has been appointed to replace Ellen Frost, representing Buncombe County, effective at this meeting. Mr. VeHaun welcomed Mr. Whitesides and presented him with the traditional manhole hook.

Mr. VeHaun welcomed Patty Beaver with CIBO; Mike Bryant with the NC League of Municipalities and Joe Martin with Woodfin Sanitary Water and Sewer District. There was no public comment.

6. Report of General Manager:

Mr. Hartye reported that MSD has achieved the Safety Achievement from the NC Department of Labor. Congratulations to all employees at MSD and to Dan Waugh and Sandra Moore for heading up this effort. This will help lower our multiplier and future insurance costs.

Mr. Hartye reported that a "Google My Business" was provided by Carrie Coffey of Walter Street. Thanks to Wayne Rice. This last fiscal year our first responders had an average arrival time of 27 minutes from the time the customer called.

Mr. Hartye reported that with the news events surrounding CDM-Smith, he would like to note that MSD does use CDM-Smith. MSD has found the CDM-Smith personnel with whom it has worked to be professional and honest. MSD is a little bit different than most other districts and municipalities of its size. MSD has a large engineering contingent. About 20 years ago MSD decided that the lion's share of money spent on engineering, design, construction and construction management was going to be centered around the collection system inherited from its member agencies which was badly in need of repair. At the time MSD was using different outside engineers and in-house project managers, which was not very efficient. MSD decided to hire on-staff registered professional engineers to design and inspect the lion's share of what we do. MSD has projects that are hired out to larger consulting firms for big projects such as the plant expansion and upgrades to major pump stations because those projects are multi-disciplinary, involving electrical, mechanical, instrumentation, structural, etc. There is a process MSD goes through each time, which wasn't always the case. In the past there was one engineer MSD used each time. Most municipalities still largely use just one firm. If you have a large firm that can cover a lot of different disciplines you tend to give them all of the work. The majority of MSD's work is done in-house. MSD sends out Request for Proposals for special projects because each one is different. He then turned the meeting over to Mr. Bradford to go over MSD's process.

Mr. Bradford first discussed consultant selection. All significant projects go through a selection process with the only exception being projects less than \$50,000.00. Each consultant is rated by a staff committee based on the strengths of any given firm. MSD has used many different firms over the years as different firms have different strengths for different projects. MSD also uses its Engineer of Record, Forrest Westall, for virtually every selection process we have gone through. MSD has used multiple consultants over the years. There is no single consultant who receives all of its work, nor is there any one person who selects those consultants. Mr. Bradford presented the selection table with a list of consultants used for projects with each of their ratings. Staff uses this table to choose and make recommendations back to this Board to approve contracts. After a decision is made internally, MSD negotiates a contract among all parties to come to a fair value of the work. If parties can't come to a cost agreement, then MSD would go to the second rated consultant on the list, that's how the statute works. MSD has always been able to come to an agreement with the highest rated consultant. MSD will then take a detailed cost schedule and prepare an item to bring back to this Board for approval. The Board item includes any consultants who submitted RFP's for the work. This is done in open meetings, becomes public record, and is easily searchable on MSD's website. The contract is signed by the General Manager, approved by District Counsel and this Board. In addition, the District's Finance Officer pre-audits and signs the Contract. There is no one single person involved in the process. He presented a Board item from 2016 as an example, with a copy of a contract listing pay items. The pay items are specific items the consultant or contractor is going to perform with specific dollars listed by each.

The pay request process is another measure put in place. The Engineering Services Pay Request are approved by the respective project manager who is a staff Engineer. This is to ensure the payment the contractor is asking for matches the work that was performed for each pay period. The pay request is then processed by MSD Finance. Unless the value triggers secondary approvals by others, payment is made directly from Finance to the Consultant for the work items performed. The process for Contractors is similar. Construction Administration is also involved

with an MSD Inspector and the head of that group. They approve actual work installed in the field such as pipe, manholes, concrete, paving, etc. Then the Project Engineer approves that request and it goes to Finance for processing and payment which is made from Finance to Contractor. For both consultants and contractors a portion of payment is made for specific work items only. Mr. Bradford presented a sample pay request showing pay items, work items, retainage, performed and signed by contractor and the multiple internal parties, an affidavit for payment of claims and sales tax and certification. Mr. Bradford asked if there were any questions or concerns. There were none.

Mr. Hartye also mentioned there were controls as to the level of funds involved and asked Mr. Powell to explain those. Mr. Powell stated that depending on the amount of monies being spent, there are multiple levels of review. Any items that are \$5,000.00 and below are approved by Project Engineer; any items \$5,000.00 and above have to be approved by Project Engineer and Director of Engineering; anything above \$10,000.00 is approved by Project Engineer, Director of Engineering and Director of Finance; and any items over \$20,000.00 has to be approved by all of the above and the General Manager as well. Items are reviewed multiple times before a payment is made. There were no questions.

Mr. Hartye reported that the August Right of Way Committee meeting has been cancelled. The next Right of Way Committee meeting will be held at 9am on September 26th. The next regular Board meeting will be held on September 19th at 2 pm.

7. Report of Committees:

a. Right of Way Committee—July 25, 2018

Mr. Kelly reported that the Right of Way Committee met on July 25, 2018, and made recommendations, all of which are routine and included in this Board package. There were no questions.

b. Planning Committee—August 15, 2018

Mr. Root reported that the Planning Committee met before this Board meeting to discuss future issues and growth that we may be facing here at MSD. Also addressed was a policy that expired a few years ago and Staff made a recommendation to bring this policy back into effect. Mr. Hartye briefly explained this policy for the benefit of those not at the Planning Committee Meeting. Mr. Kelly asked if this policy had a monetary amount that could not be exceeded and if the term was indefinite. Mr. Hartye stated that the amount that cannot be exceeded is the original cost of the extension and the term is 10 years. Mr. Kelly stated that he was asking collectively, suppose there were 10 projects, if there is a cap. Mr. Hartye stated no. MSD was not getting any interest at the time. Mr. Clarke stated that all of the costs are subject to available funding. There were no further questions. Planning Committee recommends that MSD reinstate the policy of Revenue Sharing (of Future User Charges) for extensions made by others and that there be no horizon on the incentive and that Staff report to the Board annually on status of all financial incentives. Mr. VeHaun called for a motion to approve the Planning Committee's recommendation. Mr. Root moved. Mr. Pelly seconded the motion. Roll call vote was as follows: 11 ayes; 0 Nays.

8. Consolidated Motion Agenda:

a. Consideration of Condemnation – Long Shoals Road @ Allen Avenue:

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

b. Consideration of Lawsuit – Christian Creek Interceptor, Porter’s Cove Road and I/40 Interchange – Norfolk Southern Railway:

Mr. Hartye reported this crossing was installed in approximately 1928 and has been the only means of access for MSD to maintain approximately 1 mile of this interceptor. In early 2016, System Services Staff discovered that the crossing was destroyed without any notice to MSD. Over the last 2 years MSD has worked with Norfolk Southern Railway to try to re-establish this crossing. MSD is only 1 year away from bidding and construction for replacement of this interceptor and Staff recommends suing Norfolk Southern Railway for an easement in perpetuity to guarantee access to the Christian Creek Interceptor. Mr. Clarke feels they have made good progress and hopes to have the issue resolved in the near future. There is a draft agreement that is waiting on some additional language from the railroad and he feels confident that this will be resolved but Staff is asking for authority if this does not get resolved. If they are not agreeable to resolve this issue MSD would like to proceed with a lawsuit, asking for an easement instead of a license agreement. Right of Way Committee recommends accepting Staff’s recommendation to obtain appraisal and proceed with a lawsuit against Norfolk Southern Railway for an easement in perpetuity to guarantee access to the Christian Creek Interceptor. There was no discussion regarding this item.

c. Consideration of Compensation Budget–Springside Road @ Overlook Road GSR:

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

d. Consideration of Compensation Budget–26 Wilshire Drive Sewer Rehabilitation:

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

e. Acceptance of Developer Constructed Sewer Systems: Cedar Cliff Village and Mattera Subdivision:

Mr. Hartye reported that the Cedar Cliff Village project included extending approximately 1,310 linear feet of 8-inch public gravity sewer to serve the 34 unit single family residential development.

Mr. Hartye reported that the Mattera Subdivision project included extending approximately 250 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 systems. All MSD requirements have been met.

f. Consideration of Reimbursement Resolution for Bond Projects:

Mr. Powell reported that to be in compliance with IRS regulations concerning tax-exempt financing, all expenditures made with non-MSD bond funds and to be reimbursed from MSD bond funds must be properly identified and authorized. The proposed reimbursement resolution identifies major projects intended to be solely or substantially financed by bonds anticipated to be issued in FY 2024. Board approval is required to obtain the tax-exemption of interest paid on MSD bonds by authorizing reimbursement from bond proceeds of the expenditures for the attached project listing.

g. Fourth Quarter Budget to Actual Review – FY 2018

Mr. Powell reported that the Domestic Revenue is above budgeted expectations. Staff believes Domestic User Fee variance will end up around 103% when June accounts receivable data is received from its Member Agencies in relation to the District's audit in September. Industrial Revenue is trending better than budgeted expectations due to temporary increased revenue from one industrial user. Facility and Tap Fees are above budgeted expectations. This is due to the District receiving \$1.9 million from 5 developments at the end of the year as well as the conservative nature in which these funds are budgeted. Interest and miscellaneous income are above budgeted expectations due to short-term interest rates being better than anticipated for the fiscal year. O&M expenditures are at 95.2% of budget. This amount may vary slightly from audited numbers due to final accruals for the fiscal year. Bond principal and interest are better than budgeted expectations due to the interest rate swap associated with Series 2008A revenue refunding bonds. Capital Project expenditures are at approximately 93.4% of budget. This reflects the Plan Headworks project running a little behind schedule.

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

Mr. Powell reported that Page 36 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 37 presents the MSD investment managers report for the month of June. The weighted average maturity of the investment portfolio is 133 days. The yield to maturity is 1.98%. Page 40 presents MSD's Variable Debt Service report. The 2008A Series are performing better than budgeted expectations. As of the end of July, both issues have saved the District rate payers approximately \$5.5 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. Wisler seconded the motion. Roll call vote was as follows: 11 ayes; 0 Nays.

9. Old Business:

None.

10. New Business:

Mr. Clarke reported that Mr. Mike Bryant with the NC League of Municipalities gave a presentation in Closed Session on March 21, 2018, regarding

a sewer back up on Old Toll Road. There were remaining issues to be taken care of with regard to the claim. He turned the meeting over to Mr. Bryant for an update. Mr. Bryant stated again that this issue was discussed previously on the structural portion of this claim. At that time he indicated that there would be another outstanding issue which was the personal property or contents. They have been able to resolve that issue. The original demand was around \$265,000.00 and they were able to compromise with this Owner for \$90,000.00, which is in the range Mr. Bryant originally told this Board it probably would be in. There are some expert expenses outstanding totaling about \$9,000.00. Today he is asking for authority to pay \$98,066.79 to finalize this matter. Mr. Clarke clarified that this amount is MSD money because this claim exceeded the coverage for an individual incident of \$250,000.00. Mr. Bryant stated that under the policy pollution is excluded, and sewer is a pollutant. Coverage for pollutants is available but is limited to \$250,000.00. The insurance paid the original \$250,000.00 and after this payment, MSD's portion would total \$224,512.82 to finalize the entire matter. Mr. Clarke stated that Mr. Bryant has negotiated a good settlement, and he recommends the Board approve.

There was no discussion. Mr. VeHaun called for a motion to approve the amount of \$98,066.79 to settle this matter. Mr. Kelly moved. Mr. Pressley seconded the motion. Roll call vote was as follows: 11 ayes; 0 Nays.

11. Adjournment:

With no further business, Mr. VeHaun called for adjournment at 2:42 pm.

Jackie W. Bryson, Secretary/Treasurer



MEMORANDUM

TO: MSD Board
FROM: Thomas E. Hartye, P.E., General Manager
DATE: September 14, 2018
SUBJECT: Report from the General Manager

- Budget Recap

Attached is a budget recap that condenses the major portions of our current budget into salient bullet points. This is provided to the Board as an aid to discussion with those you represent.

- NACWA Peak Performance Award

MSD received the Platinum 6 Peak Performance Award from NACWA for six years of consistent compliance at the Water Reclamation Facility. Thanks to all the operations and maintenance personnel at the treatment plant.

- Kudos

- Attached is an email (originally sent to COA) from Jim Parker and Jane Ykoyana expressing their appreciation for Mickey Roberts assistance.
- Attached is a transcript of a call from Barbara Stoerer of West Point Dr. in Asheville expressing appreciation for Mckinley Hensley and crew Carl Ellington, Josh Matthews, Brandon Flynn, Wayne Rice, Pete Cole and Robert Honeycutt.

- Board/Committee Meetings/Events

The September Right of Way Committee Meeting has been cancelled. The next Right of Way Committee meeting will be held at 9 am on October 24th. The next Regular Board Meeting will be held on October 17th at 2 pm.



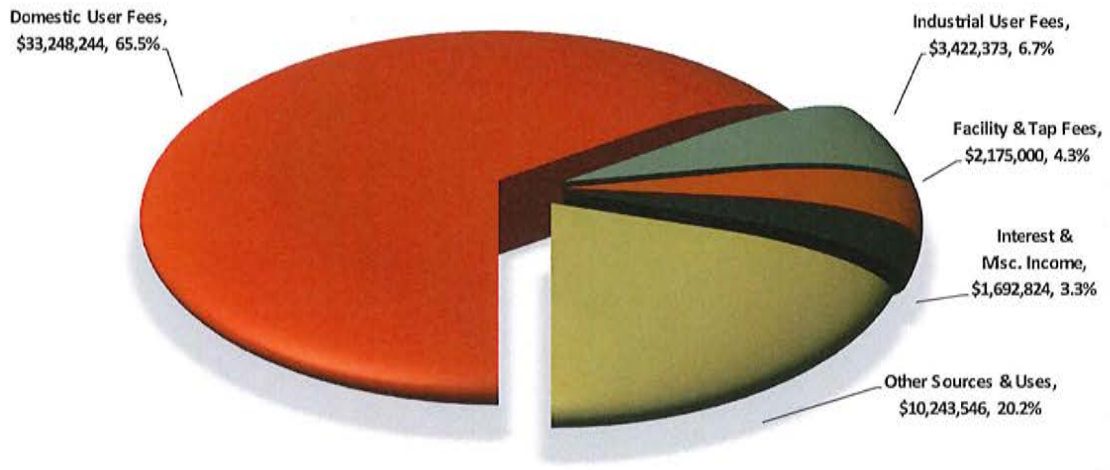
MSD FY19 BUDGET/RATE SYNOPSIS

➤ Total Budget \$50,781,987

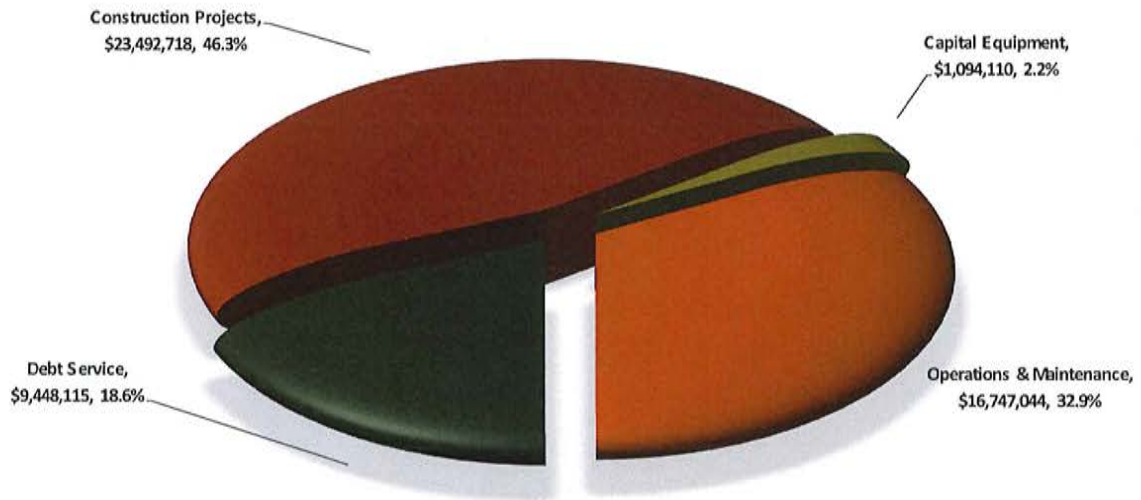
1. CIP (Rehab Construction)	\$23,492,718	}	65% Construction related
2. Debt Service	\$ 9,448,115		
3. O&M	\$16,747,004		
4. Capital Equipment	\$ 1,094,110		
See graphs other side			

- The 2.5% rate adjustment is necessary to fund sewer system rehabilitation/replacement projects as well as necessary treatment plant improvements of \$310.4 million over the next 10 years.
- The District's sewer system consists of approximately 5 million feet of 6" to 66" pipe and over 28,000 manholes, much of which was constructed in the 1920's, 30's, and 40's and is in dire need of replacement or rehabilitation. It will be necessary to replace approximately 50,000 feet of sewer each year.
- O&M budget includes
1. Salary and Benefits increase of 4.3%
 2. A 1.8% increase to Materials and Supplies (including fuel).
 3. Medical Plan funding increase of 7.5%.
 4. State mandated 3.3% increase in NC retirement funding.
 5. GASB 45 (OPEB) funding of \$308,000.
- Average residential monthly bill will go up .74 cents from \$30.62 to \$31.36.
- New Development Residential Facilities Fee - \$2,836.
- Average bill for industrial user to go up 3.8% based upon the 20 year "parity" plan approved by the District Board.

FY19 Budget Revenues
\$50,781,987



FY19 Budget Expenditures
\$50,781,987



Platinum 6

AWARD



The National Association of Clean Water Agencies
is pleased to present this award to

Metropolitan Sewerage District of Buncombe County, NC
French Broad River Water Reclamation Facility

in recognition of six years of complete and consistent National
Pollutant Discharge Elimination System permit compliance



Adam Krantz, NACWA Chief Executive Officer

July 24, 2018

Date Issued



Subject: FW: Employee Mickey Roberts of Asheville Sewer Department
Date: Thursday, September 13, 2018 at 2:49:36 PM Eastern Daylight Time
From: Thomas Hartye

----- Forwarded message -----

From: <parkeryokoyama@gmail.com>
Date: Mon, Aug 27, 2018 at 12:30 PM
Subject: Employee Mickey Roberts of Asheville Sewer Department
To: <webmaster@ashevillenc.gov>

Hi-

My wife and I returned home around 7 PM on Saturday, August 25 and found that there was an unmistakable smell of sewage in our front yard. I assumed that since it was a Saturday nothing could be done until Monday, but I went to your website and saw an emergency number. I called the number and your employee Mickey Roberts and another employee came to our house about an hour or two later. They were both polite, helpful, willing to entertain uninformed questions and both were patient. They told me that since it was dark someone from the Sewer Department would return around Noon. The next day (Sunday) Mickey Roberts returned to our house and spoke with us and our neighbor, who was also affected. There is no point in going to all that occurred during this visit, but I wanted to communicate to your that my wife and I were very impressed with Mr. Roberts' knowledge, patience, friendliness, and overall performance. We are happy that the City of Asheville has employees like Mr. Roberts and we were impressed enough to send this e-mail so that you are aware that Mr. Roberts did an excellent in assisting one of your customers. Thanks very much, Jim Parker (and Jane Yokoyama)

Subject: Kudo's for Good Work
Date: Monday, August 20, 2018 at 3:15:41 PM Eastern Daylight Time
From: Hemphill, Jim
To: Hartye, Tom
CC: Thomas, Pam

Tom,

I received a call today from Ms. Barbara Stoerer of 853 West Pointe Drive in Asheville. She wanted to thank MSD and complement our crews who worked on her problem.

She explained that she was an older lady who had only lived in her house for 2 months when she had to call for help.

The first time was at 10:00 PM on a Sunday night. Turned out the cleanout was buried.

The crew cleared the blockage in the short term, but the dig-up crew had to come out and replace some line.

She said they were all gentlemen with a very professional attitude, who kept her informed about progress on the job.

Crew Members:

McKinley Hensley	Josh Matthews
Carl Ellington	Robert Honeycutt
Brandon Flynn	Wayne Rice
Pete Cole	

Metropolitan Sewerage District of Buncombe County

BOARD ACTION ITEM

BOARD MEETING DATE: September 19, 2018

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

PREPARED BY: Ed Bradford, P.E. - Director of Engineering
Darin Prosser, P.E. - Project Manager

SUBJECT: Consideration of Bids: Four Inch Main - Dry Ridge Road Sanitary Sewer Rehabilitation Project, MSD Project No. 2012009

BACKGROUND: This project is located in North Asheville, in the area above Beaver Lake. It begins at Windsor Road and ends at Dry Ridge Road. It consists of replacing problematic four-inch Orangeburg line.

Orangeburg pipe is basically formed wood fiber impregnated and sealed with hot pitch. In the early 1900's, it was used extensively for running electrical wiring in buildings and skyscrapers. The Empire State Building used Orangeburg when it was constructed in the 1930's.

When Orangeburg pipe is encountered in the MSD system, it is automatically placed on the CIP for replacement.

This project is comprised of 907 LF of 8-inch DIP.

The contract was informally advertised and three bids were received on August 30, 2018 in the following amounts:

<u>Contractor</u>	<u>Bid Amount</u>
1) Thomas Construction Co.	\$479,500.00
2) Terry Brothers Construction Co.	\$317,264.50
3) Buckeye Bridge, LLC	\$282,853.90

The apparent low bidder is Buckeye Bridge, LLC with a bid amount of \$282,853.90. Buckeye Bridge has completed numerous MSD sewer rehabilitation projects, and their work quality has been excellent on those projects.

Please refer to the attached documentation for further details.

FISCAL IMPACT: The FY18-19 Construction Budget for this project is \$320,000.00.

STAFF RECOMMENDATION: Staff recommends award of this contract to Buckeye Bridge, LLC in the amount of \$282,853.90, subject to review and approval by District Counsel.

METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, NORTH CAROLINA

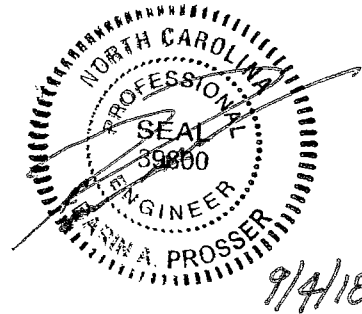
Dry Ridge Road (4-Inch Main) Sewer Rehabilitation
Project No. 2012009

BID TABULATION
August 30, 2018

BIDDER	MBE Form	Bid Forms (Proposal)	TOTAL BID AMOUNT
Thomas Construction Company Johnson City, TN	1	Yes	\$479,500.00
Terry Brothers Construction Company Leicester, NC	1	Yes	\$317,264.50
Buckeye Bridge, LLC Canton, NC	1	Yes	\$282,853.90

APPARENT LOW BIDDER

Darin Prosser, 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 3:00 p.m. on the 30th day of August, 2018, in the W.H. Mull Building at the Metropolitan Sewerage District of Buncombe County, Asheville, North Carolina. This was an informal bid and no bid bonds were required.

Interoffice Memorandum

TO: Tom Hartye, General Manager

FROM: Ed Bradford, Engineering Director
Darin Prosser, Project Manager

DATE: September 4, 2018

RE: Four Inch Main - Dry Ridge Road Sewer Rehabilitation, MSD Project No. 2012009

This project is located in North Asheville beginning at Windsor Rd, running through properties crossing Lucky Lane and ending at Dry Ridge Rd. The project consists of 907 LF of 8-inch ductile iron pipe. The existing line is 4-inch Orangeburg pipe that is in poor condition and undersized with a history of overflows. This project has a relatively high Pipe Rating of 58.

Three bids were received on Thursday, August 30, 2018, as follows:

<u>Contractor</u>	<u>Bid</u>
1) Thomas Construction Co.	\$479,500.00
2) Terry Brothers Construction Co.	\$317,264.50
3) Buckeye Bridge, LLC	\$282,853.90

The FY18-19 construction budget for this project is \$320,000.00.

Buckeye Bridge, LLC is the apparent low bidder for this contract with a bid amount of \$282,853.90. District Staff has had experience with Buckeye Bridge, and they have proven themselves to be competent contractors on past District contracts.

Staff recommends award of this contract to Buckeye Bridge, LLC, 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: Four Inch Main - Dry Ridge Rd.	LOCATION: Asheville
TYPE: General Sewer Rehab.	PIPE RATING: 58
PROJECT NO.: 2012009	TOTAL LF: 908
PROJECT BUDGET: \$362,600.00	PROJECT ORIGIN: Problematic Orangeburg Four Inch Sewer

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	\$5,100.00	\$4,728.00	\$372.00	
55330 - DESIGN				
55340 - PERMITS	\$1,000.00		\$1,000.00	
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS	\$4,000.00	\$2,975.00	\$1,025.00	
55370 - LEGAL FEES	\$4,000.00	\$1,701.00	\$2,299.00	
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION	\$25,000.00	\$2,882.00	\$22,118.00	
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$320,000.00			\$320,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING	\$1,000.00			\$1,000.00
55450 - SURVEY - ASBUILT	\$2,500.00			\$2,500.00
TOTAL AMOUNT	\$362,600.00	\$12,286.00	\$26,814.00	\$323,500.00

ENGINEER: MSD	DP	ESTIMATED BUDGETS - FY 20 - 28	
R.O.W. ACQUISITION: MSD	# PLATS: [3]	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
		FY 24-25	\$0.00
PROJECT DESCRIPTION: This project is a 4-inch main and extends from Dry Ridge Rd. to Lucky Lane and Windsor Rd. in Asheville. This project is in the area north of Merrimon Ave. and east of Stratford Rd. The existing line is a 4-inch Orangeburg pipe which is in poor condition.		FY 25-26	\$0.00
		FY 26-27	\$0.00
		FY 27-28	\$0.00

SPECIAL PROJECT NOTES:



**Four Inch Main - Dry Ridge Road
Project No. 2012009**

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: September 19, 2018

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

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

SUBJECT: Consideration of Bids: Intermediate Clarifier Slide Gate Replacement Project, MSD Project No. 2017022

BACKGROUND: The intermediate clarifier is a process within the treatment plant which helps to remove biosolids. These biosolids are created by the Rotating Biological Contactors as they remove the organics from the wastewater. The clarifier provides a place of “calm water”, where the solids settle out by gravity and are removed from the bottom.

Slide gates are located within the clarifier which help to isolate individual basins and perform maintenance. The existing slide gates are the original units (approximately 29 years old) and in need of replacement.

The contract was informally advertised and two bids were received on August 30, 2018 in the following amounts:

<u>Contractor</u>	<u>Bid Amount</u>
1) J.S. Haren Company	\$157,000.00
2) NHM Constructors, LLC	\$154,300.00

The apparent low bidder is NHM Constructors, LLC with a bid amount of \$154,300.00. NHM has completed several projects at the treatment plant, and they are currently performing most of the work for the Plant Headworks project. Their work quality and performance has been excellent on these projects.

Please refer to the attached documentation for further details.

FISCAL IMPACT: The FY18-19 Construction Budget for this project is \$243,000.00. This includes \$160,000.00 for the Slide Gates and \$74,000.00 for replacement of chains, sprockets, and sludge pumps (which will be installed by plant staff).

STAFF RECOMMENDATION: Staff recommends award of this contract to NHM Constructors, LLC in the amount of \$154,300.00, subject to review and approval by District Counsel.

METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, NORTH CAROLINA

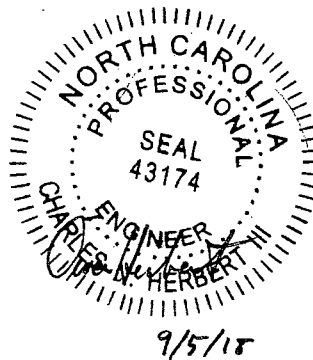
WRF Intermediate Clarifier Slide Gates Replacement
Project No. 2017022

BID TABULATION
August 30, 2018

BIDDER	MBE Form	Bid Forms (Proposal)	TOTAL BID AMOUNT
J. S. Haren Company Athens, TN	2	Yes	\$157,000.00
NHM Constructors, LLC Asheville, NC	1	Yes	\$154,300.00

APPARENT LOW BIDDER

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



This is to certify that the bids tabulated herein were publicly opened and read aloud at 2:30 p.m. on the 30th day of August, 2018, in the W.H. Mull Building at the Metropolitan Sewerage District of Buncombe County, Asheville, North Carolina. This was an informal bid and no bid bonds were required.

Interoffice Memorandum

TO: Tom Hartye, General Manager

FROM: Ed Bradford, Engineering Director
Owen Herbert, Project Manager

DATE: September 5, 2018

RE: Intermediate Clarifier Slide Gate Replacement, MSD Project No. 2017022

The Intermediate Clarifier Slide Gate Replacement project is located at the Water Reclamation Facility. This project consists of the purchase and installation of 8 stainless steel slide gates (two in each of the four intermediate clarifier cells). The existing aluminum slide gates are original to the clarifier installation and do not operate or seal properly, making basin cleaning and maintenance of the chain and flight sludge collection systems difficult.

MSD staff recommends replacing these aluminum slide gates with heavier-duty stainless steel gates to provide a longer service life and better sealing properties. The recommended gates will be furnished with a 2" thick stem to help reduce warping.

Two bids were received on Thursday, August 30, 2018, at 2:30pm as follows:

<u>Contractor</u>	<u>Bid</u>
1) J.S. Haren Company	\$157,000.00
2) NHM Constructors, LLC	\$154,300.00

The FY18-19 construction budget for the Intermediate Clarifier Slide Gate Project is \$243,000.00. During the budget process staff added additional funds to cover aging clarifier equipment, to include chain sprocket replacement and two replacement sludge pumps. The estimate for gate procurement and installation was \$169,000.00 and the remaining \$74,000.00 was for the equipment.

NHM Constructors, LLC is the apparent low bidder for this contract with a bid amount of \$154,300.00.

The District is familiar with NHM's work through various projects at the Water Reclamation Facility and MSD pump stations. Staff has been very pleased with their performance, responsiveness, and workmanship.

Staff recommends that the District award this contract to NHM Constructors, LLC 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:	Intermediate Clarifier Slide Gates	LOCATION:	MSD-Treatment Plant
TYPE:	Treatment Plant	PIPE RATING:	N/A
PROJECT NO.	2017022	TOTAL LF:	0
PROJECT BUDGET:	\$243,000.00	PROJECT ORIGIN:	Obsolete equipment

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/17	EST. COST JAN - JUNE 2018	EST. BUDGET FY 18-19
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN				
55330 - DESIGN				
55340 - PERMITS				
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS				
55370 - LEGAL FEES				
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION				
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$243,000.00			\$243,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING				
55450 - SURVEY - ASBUILT				
TOTAL AMOUNT	\$243,000.00	\$0.00	\$0.00	\$243,000.00

ENGINEER:	MSD	HC	ESTIMATED BUDGETS - FY 20 - 28	
R.O.W. ACQUISITION:	MSD	# PLATS: [0]	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 for the replacement of eight slide gates in the influent channel of the intermediate clarifier. The existing slide gates are original to the intermediate clarifier construction and are approximately 29 years old. The slide gates are necessary for isolating the four clarifier basins and are in poor condition and difficult to operate.			FY 24-25	\$0.00
			FY 25-26	\$0.00
			FY 26-27	\$0.00
			FY 27-28	\$0.00

SPECIAL PROJECT NOTES:



**Intermediate Clarifier Slide Gate Replacement
Project No. 2017022**

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: September 19, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Hampton Inn & Suites Sewer Relocation, MSD Project No. 2015144

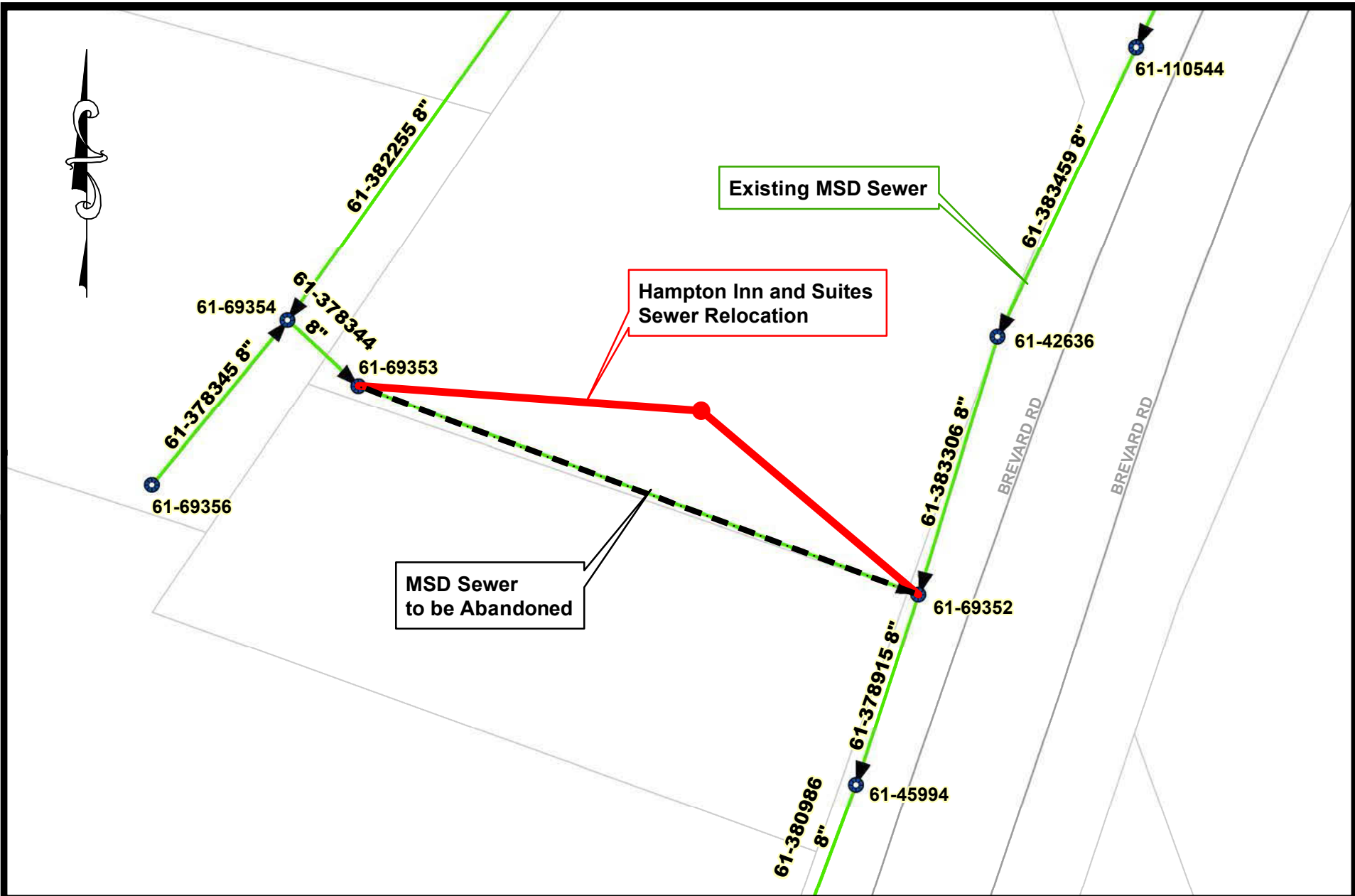
BACKGROUND: This project is located inside the District boundary on Brevard Road in the City of Asheville. The developer of the project is John Winkenwerder of South Asheville Hotel Associates, LLC.

The project included relocating approximately 287 linear feet of 8-inch public gravity sewer along with abandoning 265 linear feet of public sewer to accommodate the commercial development.

A wastewater allocation was issued in the amount of 13,680 GPD for the 114 room hotel. The estimated cost of the sewer construction is \$37,000.00.

All MSD requirements have been met.

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



MSD
Engineering Division

Hampton Inn and Suites Sewer Relocation MSD Project # 2015144

Metropolitan Sewerage District of Buncombe County

8/30/18

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 19, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Greenwood Park Sewer Extension, MSD Project No. 2014067

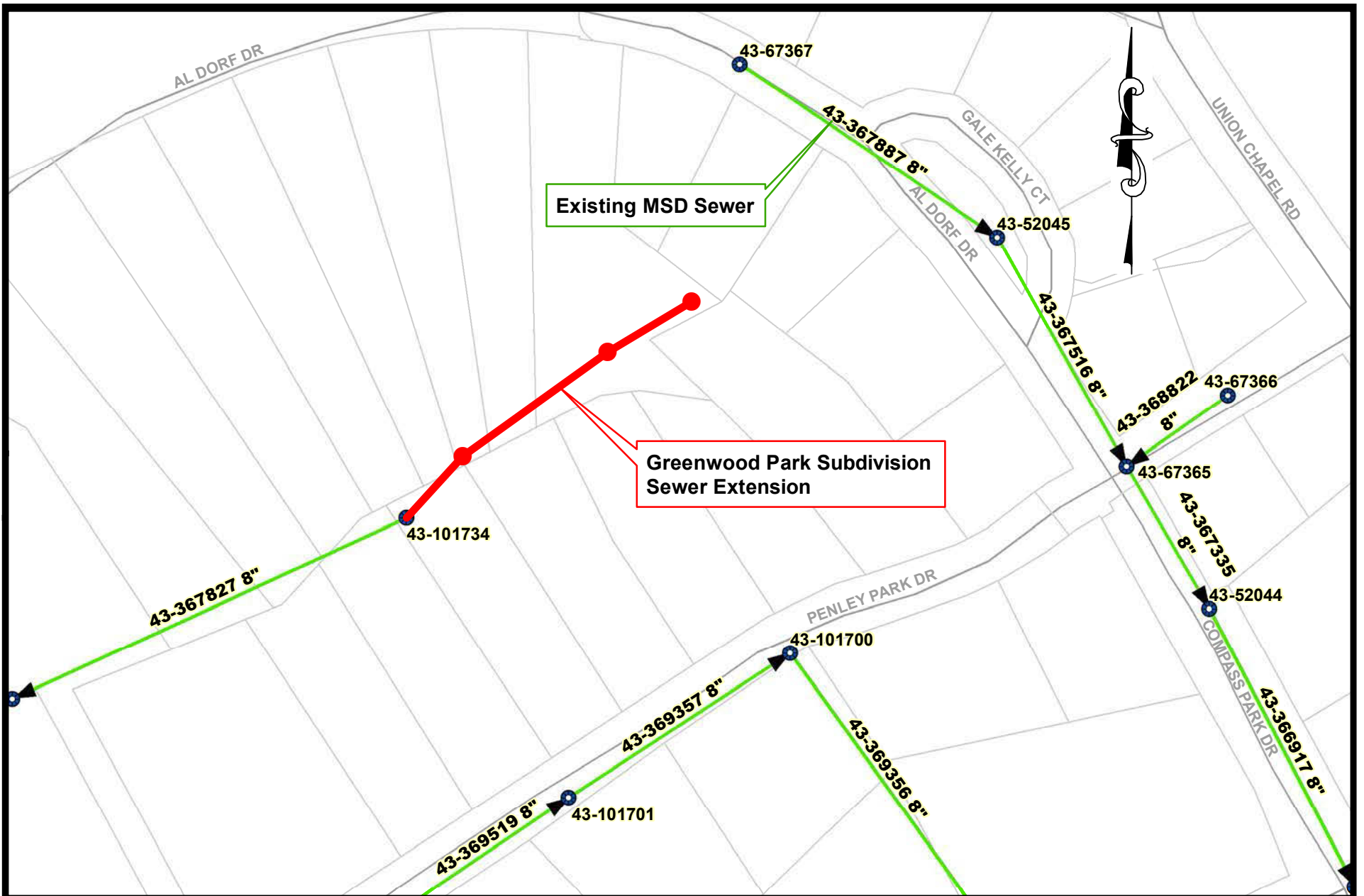
BACKGROUND: This project is located inside the District boundary off Governor Thomson Terrace in Buncombe County. The developer of the project is Bill Dorf.

The project included extending approximately 335 linear feet of 8-inch public gravity sewer to serve the eight (8) units of this phase of the single family residential development.

A wastewater allocation was issued in the amount of 2,400 GPD for the project. The estimated cost of the sewer construction is \$24,876.00.

All MSD requirements have been met.

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



MSD
Engineering Division

**Greenwood Park Subdivision Sewer Extension
MSD Project # 2014067**

Metropolitan Sewerage District of Buncombe County

8/27/18

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 19, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Lake Louise Sewer Extension, MSD Project No. 2017104

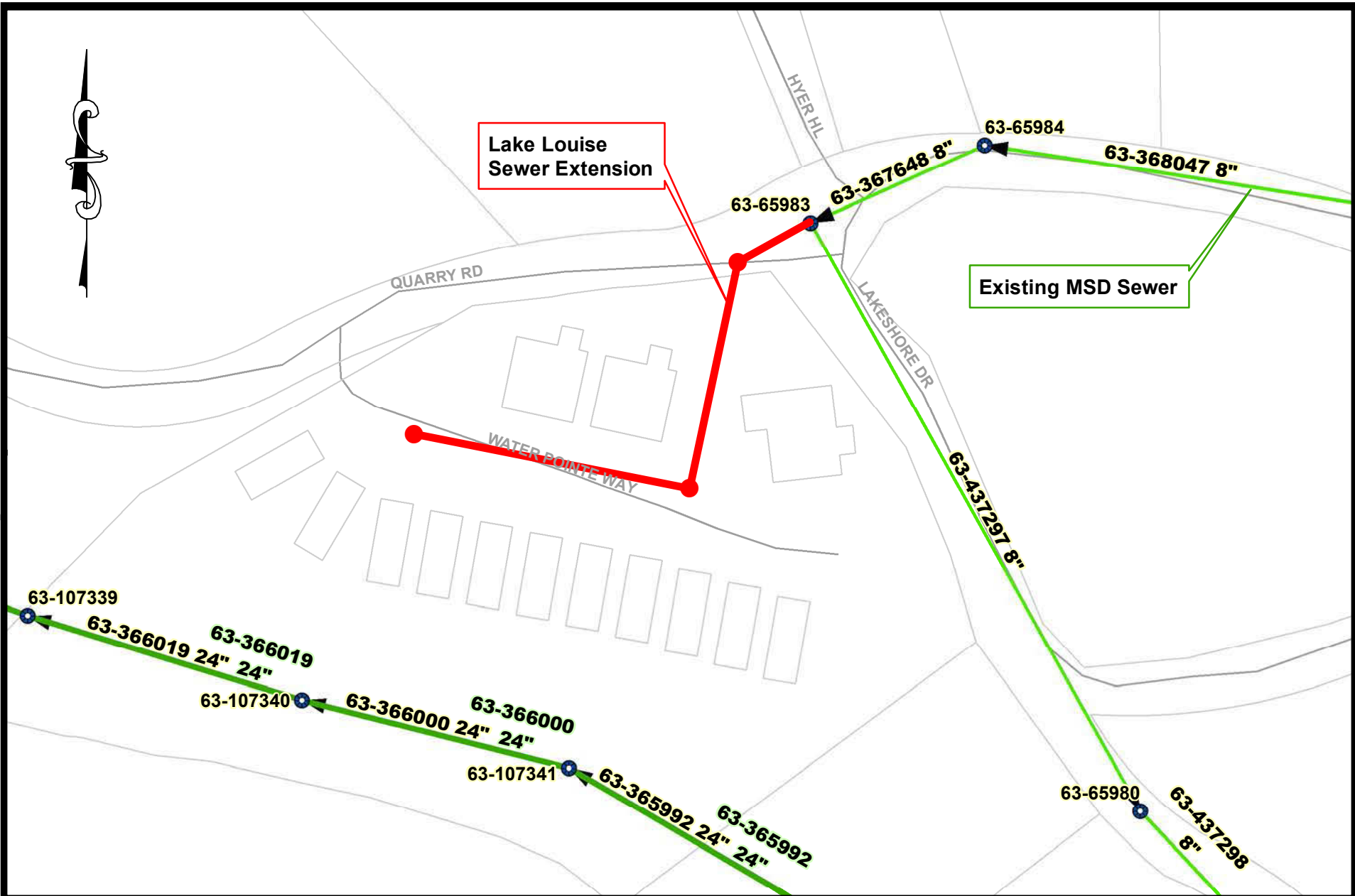
BACKGROUND: This project is located inside the District boundary off Lakeshore Drive in the Town of Weaverville. The developer of the project is Greg Phillips of Mayfair Partners, LLC.

The project included extending approximately 335 linear feet of 8-inch public gravity sewer to serve the fourteen (14) unit residential development.

A wastewater allocation was issued in the amount of 3,100 GPD for the project. The estimated cost of the sewer construction is \$58,887.00.

All MSD requirements have been met.

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



MSD
Engineering Division

**Lake Louise Sewer Extension
MSD Project # 2017104**

Metropolitan Sewerage District of Buncombe County

8/29/18

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 19, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Long Shoals Apartments Sewer Extension, MSD Project No. 2016070

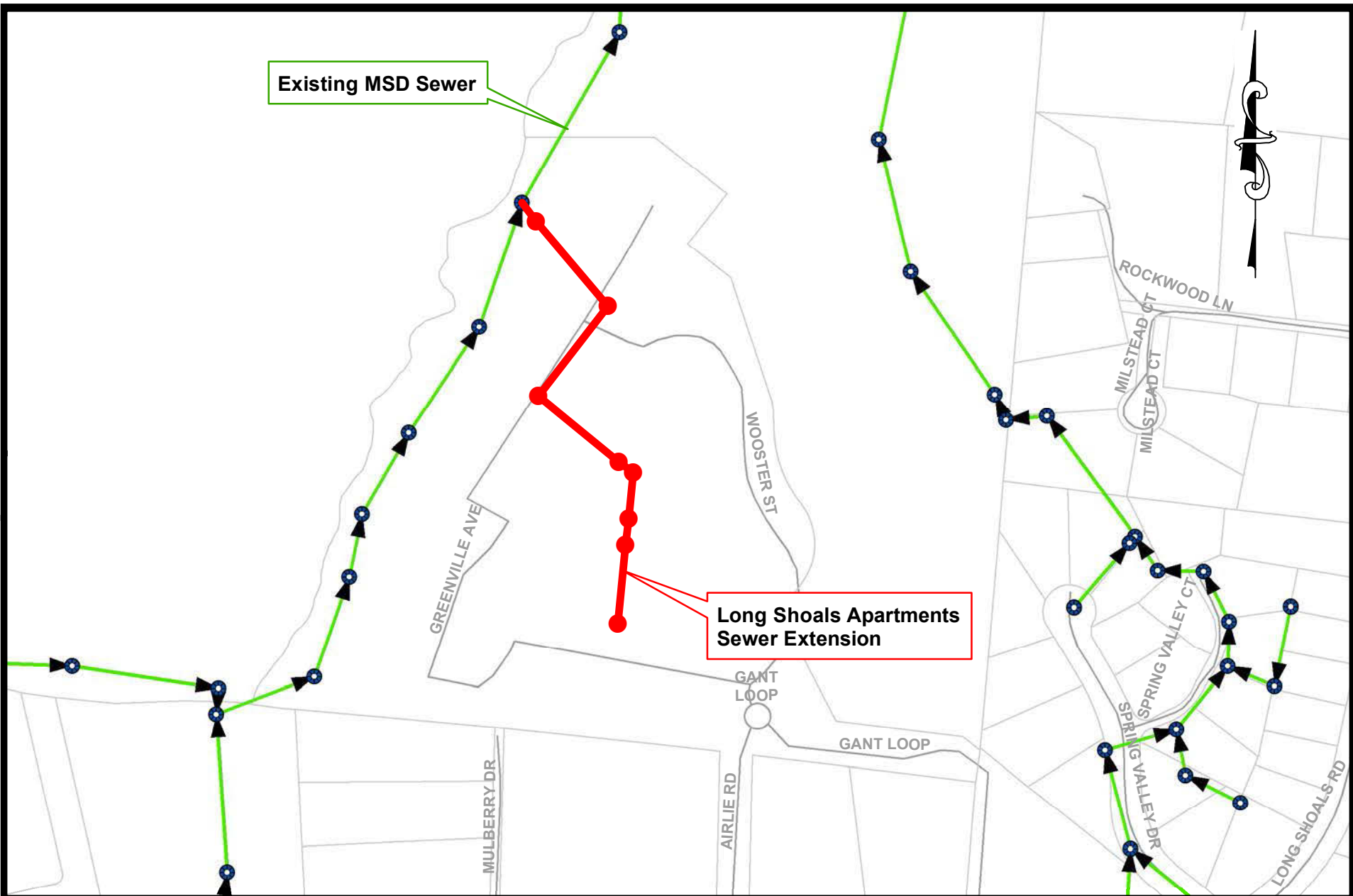
BACKGROUND: This project is located inside the District boundary off Long Shoals Road in Buncombe County. The developer of the project is Matt Maynard of Tribute Investment & Development, Inc.

The project included extending approximately 959 linear feet of 8-inch public gravity sewer to serve the 475 unit apartment complex.

A wastewater allocation was issued in the amount of 96,500 GPD for the project. The estimated cost of the sewer construction is \$150,000.00.

All MSD requirements have been met.

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



MSD
Engineering Division

**Long Shoals Apartments Sewer Extension
MSD Project # 2016070**

Metropolitan Sewerage District of Buncombe County

9/5/18

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 19, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Ramble Block "F", Phase 1 Sewer Extension Project, MSD Project No. 2017038

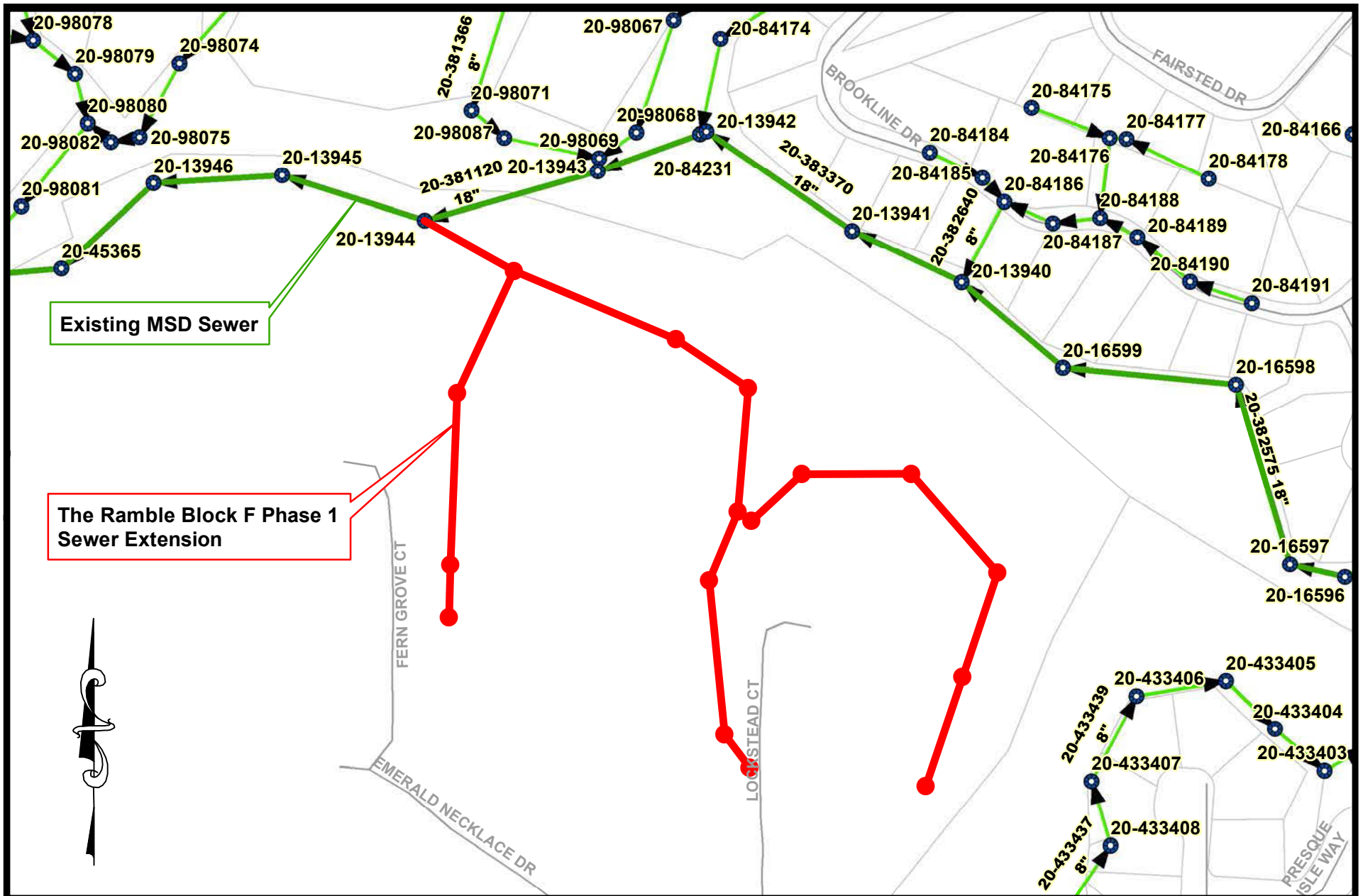
BACKGROUND: This project is located inside the District boundary off Ramble Way in Buncombe County. The developer of the project is Lee Thomason of Ramble Biltmore Forest, LLC.

The project included extending approximately 3,838 linear feet of 8-inch public gravity sewer to serve the twenty-four (24) unit residential development.

A wastewater allocation was issued in the amount of 7,200 GPD for the project. The estimated cost of the sewer construction is \$207,700.00.

All MSD requirements have been met.

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



Existing MSD Sewer

The Ramble Block F Phase 1 Sewer Extension



MSD
Engineering Division

**The Ramble Block F Phase 1 Sewer Extension
MSD Project # 2017038**

Metropolitan Sewerage District of Buncombe County

8/24/18

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 19, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Skyland Exchange Sewer Improvements, MSD Project No. 2015217

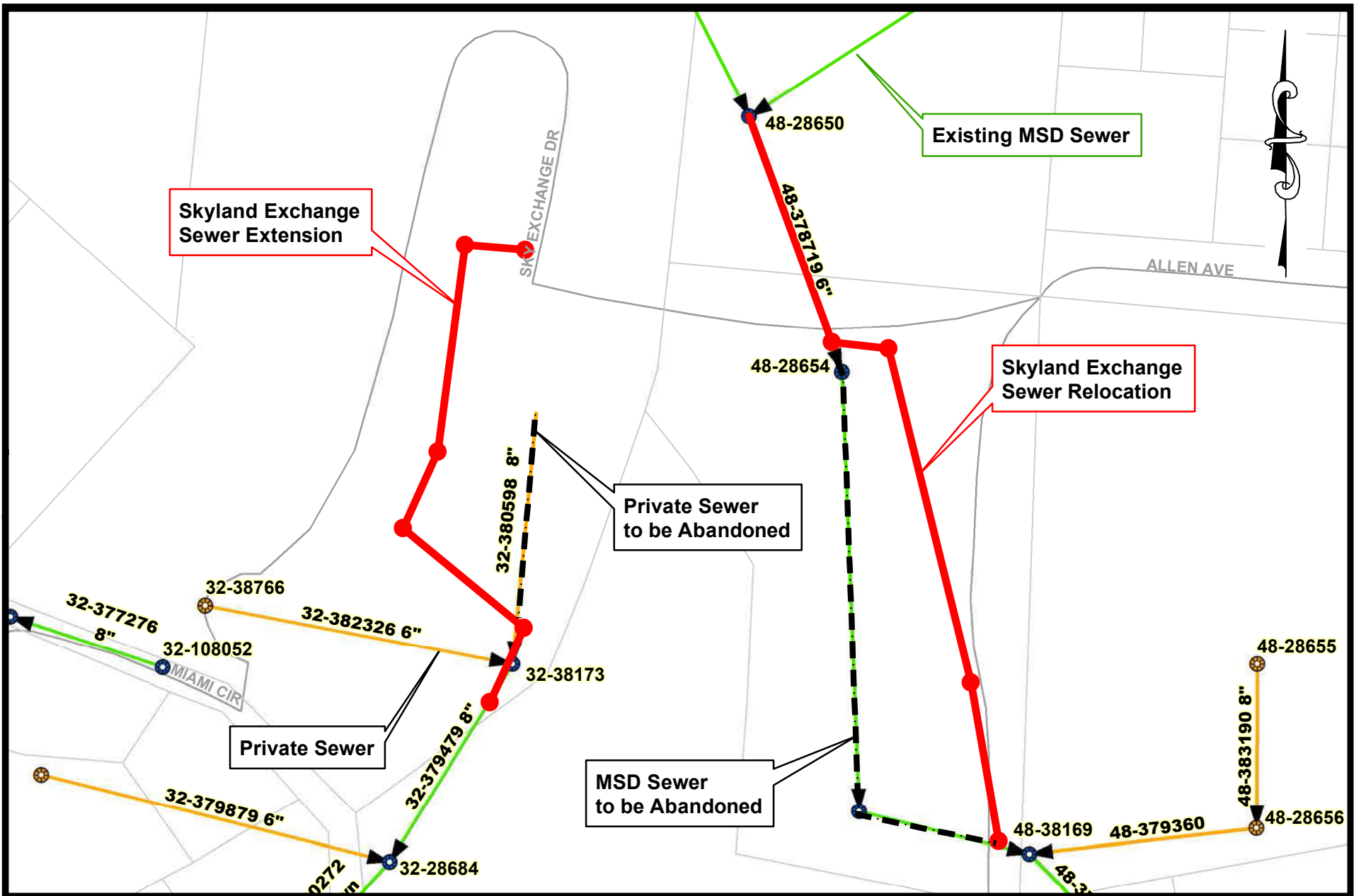
BACKGROUND: This project is located inside the District boundary off Long Shoals Road in the City of Asheville. The developer of the project is Nick Hathaway of Skyland Exchange, LLC.

The project included relocating/replacing approximately 773 linear feet of 8-inch public gravity sewer along with extending approximately 544 linear feet of 8-inch public gravity sewer. In addition, approximately 645 linear feet of public sewer had to be abandoned to accommodate the 292 unit apartment complex.

A wastewater allocation was issued in the amount of 87,600 GPD for the development. The estimated cost of the sewer construction is \$147,000.00.

All MSD requirements have been met.

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



MSD
Engineering Division

Skyland Exchange Sewer Improvements
MSD Project # 2015217
Metropolitan Sewerage District of Buncombe County

8/31/18

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 19, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Terraces at Reynolds Mountain, Phase 1 Sewer Extension Project, MSD Project No. 2016205

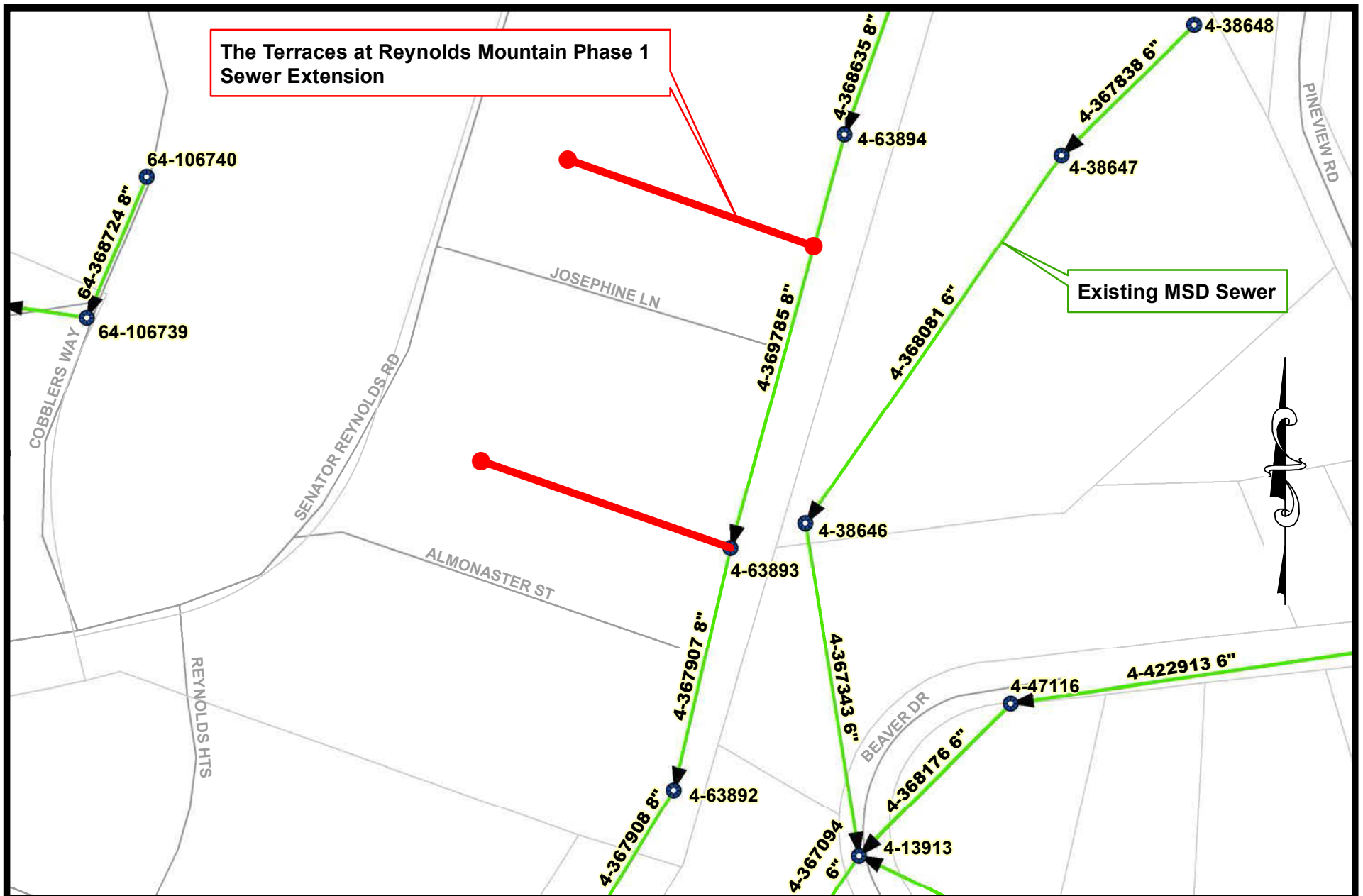
BACKGROUND: This project is located inside the District boundary off Senator Reynolds Road in the Town of Woodfin. The developer of the project is Bryan Sinclair of Skyfin Developers, LLC.

The project included extending approximately 293 linear feet of 8-inch public gravity sewer to serve the sixteen (16) townhomes for this phase of the residential development.

A wastewater allocation was issued in the amount of 4,800 GPD for this phase of the project. The estimated cost of the sewer construction is \$50,000.00.

All MSD requirements have been met.

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



MSD
Engineering Division

**The Terraces at Reynolds Mountain Phase 1 Sewer Extension
MSD Project # 2016205**

Metropolitan Sewerage District of Buncombe County

8/27/18

Metropolitan Sewerage District of Buncombe County

BOARD INFORMATIONAL ITEM

Meeting Date: September 19, 2018
Submitted By: Thomas E. Hartye, PE., General Manager
Prepared By: W. Scott Powell, CLGFO, Director of Finance
 Cheryl Rice, Accounting Manager
Subject: Cash Commitment/Investment Report-Month Ended July 31, 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 July 31, 2018 were \$71,803,862. The detailed listing of accounts is available upon request. The average rate of return for all investments is 1.372%. 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 July 31, 2018 do not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of July 31, 2018 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is \$18,523,216.

Total Cash & Investments as of 07/31/2018		71,803,862
Less:		
Budgeted Commitments (Required to pay remaining FY19 budgeted expenditures from unrestricted cash)		
Construction Funds	(22,460,773)	
Operations & Maintenance Fund	(15,998,218)	
		(38,458,991)
Bond Restricted Funds		
Bond Service (Funds held by trustee):		
Funds in Principal & Interest Accounts	(31,642)	
FY19 Principal & Interest Due	(9,299,602)	
		(9,331,244)
District Reserve Funds		
Fleet Replacement	(755,916)	
Pump Replacement	(166,715)	
WWTP Replacement	(295,698)	
Maintenance Reserve	(975,927)	
		(2,194,256)
District Insurance Funds		
General Liability	(54,959)	
Worker's Compensation	(196,416)	
Post-Retirement Benefit	(1,700,958)	
Self-Funded Employee Medical	(1,343,822)	
		(3,296,155)
Designated for Capital Outlay		18,523,216

Meeting Date: September 19, 2018

Subject: Cash Commitment/Investment Report-Month Ended July 31, 2018

Page 2

Staff Recommendation

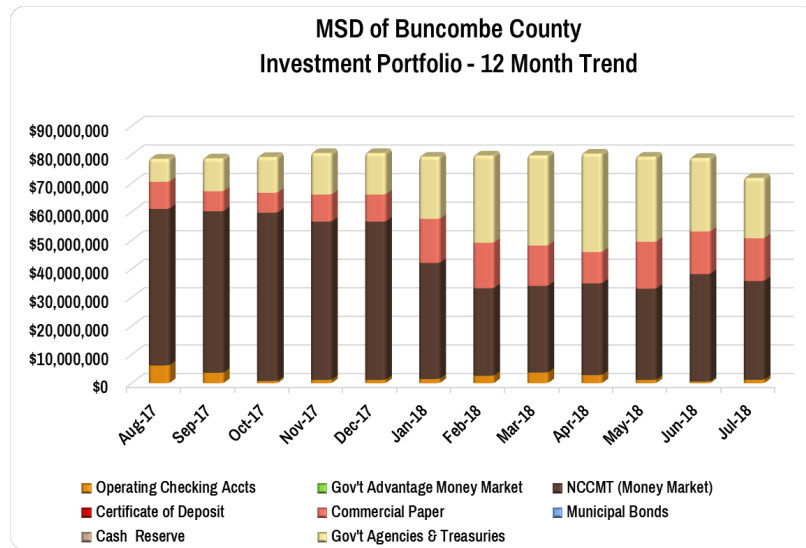
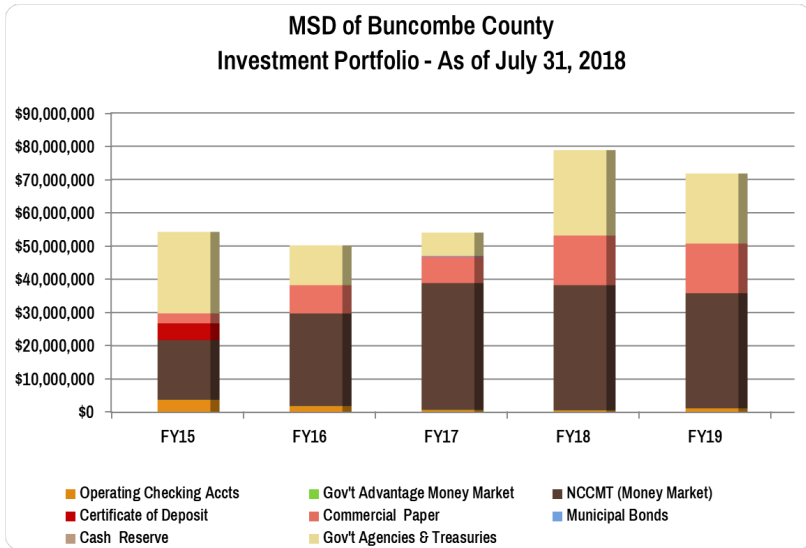
None - Information Only.

Action Taken

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

	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	\$ -	\$ -	\$ 1,104,047	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,104,047
Held by MSD	1,169,940	46,678	33,492,808	-	14,928,794	-	-	21,061,595	70,699,815
	\$ 1,169,940	\$ 46,678	\$ 34,596,855	\$ -	\$ 14,928,794	\$ -	\$ -	\$ 21,061,595	\$ 71,803,862

Investment Policy Asset Allocation	Maximum Percent	Actual Percent	
U.S. Government Treasuries, Agencies and Instrumentalities	100%	30.14%	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 2.03% is exceeding the YTM benchmark of the NCCMT Government Portfolio.
Commercial Paper	20%	19.98%	
Municipal Bonds	100%	0.00%	
North Carolina Capital Management Trust	100%	48.18%	
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		1.63%	
Gov't Advantage Money Market		0.07%	



Meeting Date: September 19, 2018

Subject: Cash Commitment/Investment Report-Month Ended July 31, 2018

Page 4

**Metropolitan Sewerage District
INVESTMENT MANAGERS' REPORT
At July 31, 2018**

Summary of Asset Transactions

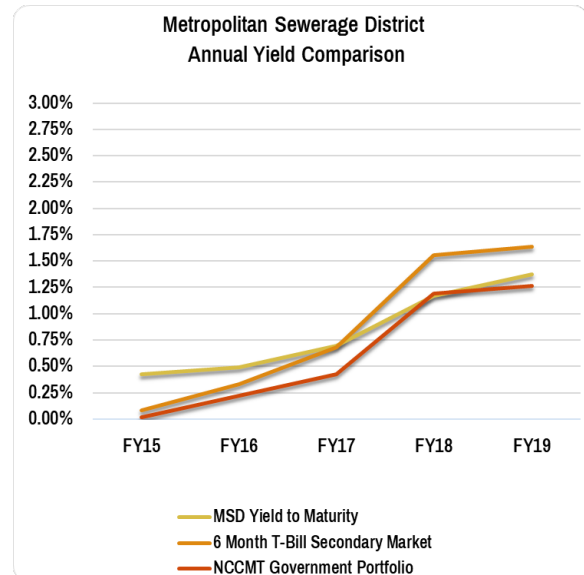
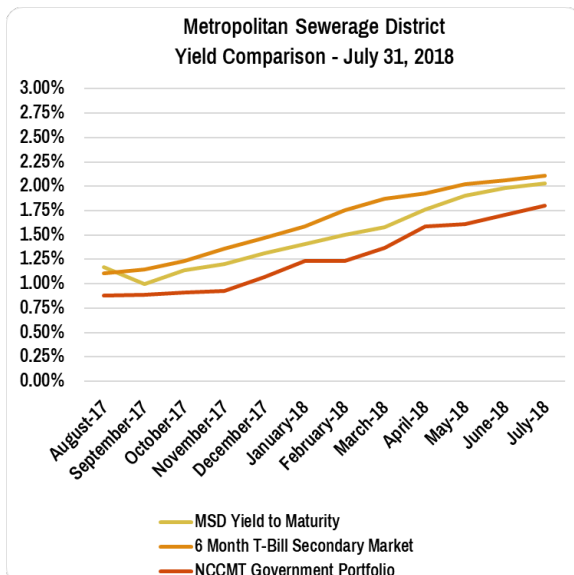
	Original Cost	Market	Interest Receivable
Beginning Balance	\$ 68,005,254	\$ 68,004,499	\$ 86,872
Capital Contributed (Withdrawn)	(1,151,248)	(1,151,248)	-
Realized Income	72,440	72,440	(23,500)
Unrealized/Accrued Income	-	83,477	29,666
Ending Balance	<u>\$ 66,926,446</u>	<u>\$ 67,009,168</u>	<u>\$ 93,038</u>

Value and Income by Maturity

	Original Cost	Income
Cash Equivalents <91 Days	\$ 45,879,940	\$ 111,112
Securities/CD's 91 to 365 Days	15,546,507	\$ 37,651
Securities/CD's > 1 Year	5,500,000	\$ 13,320
	<u>\$ 66,926,446</u>	<u>\$ 162,083</u>

Month End Portfolio Information

Weighted Average Maturity	122
Yield to Maturity	2.03%
6 Month T-Bill Secondary Market	2.11%
NCCMT Government Portfolio	1.80%

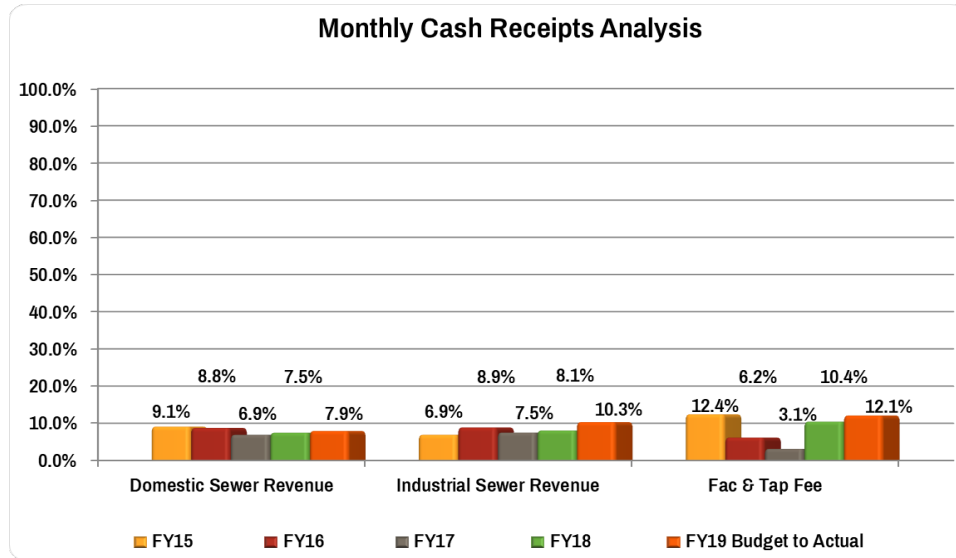


Meeting Date: September 19, 2018

Subject: Cash Commitment/Investment Report-Month Ended July 31, 2018

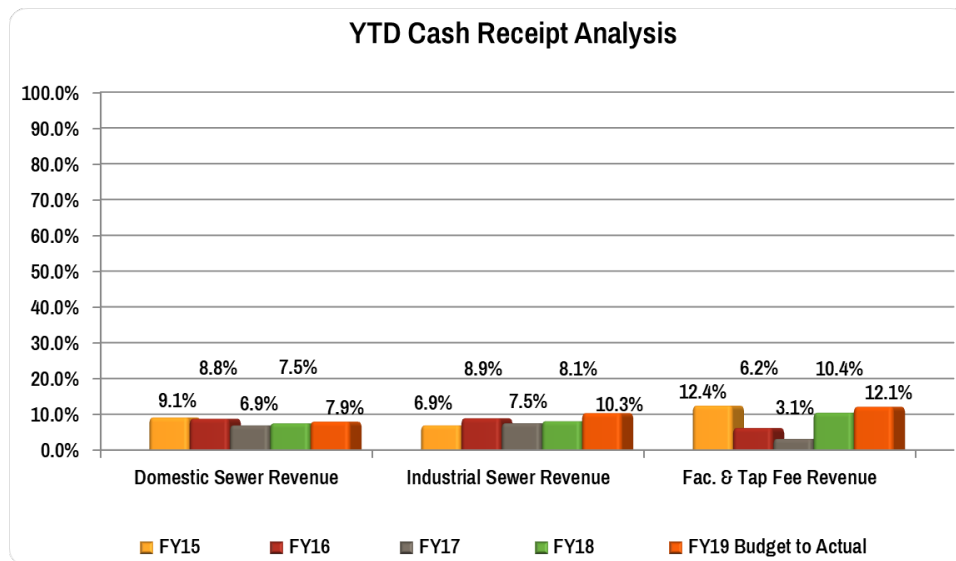
Page 5

Metropolitan Sewerage District
ANALYSIS OF CASH RECEIPTS
As of July 31, 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:

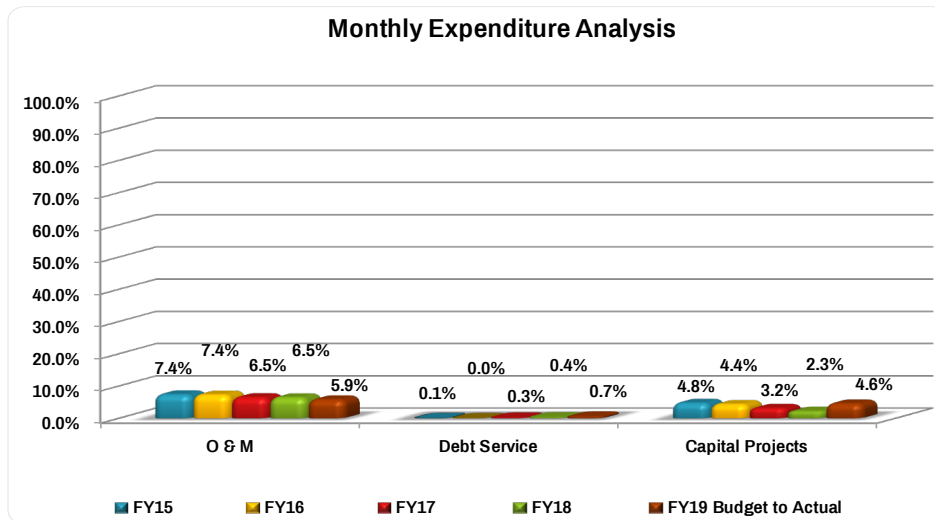
- YTD domestic sewer revenue is considered reasonable based on historical trends.
- YTD industrial sewer revenue is reasonable based on historical trends.
- Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap fee revenue reasonable.

Meeting Date: September 19, 2018

Subject: Cash Commitment/Investment Report-Month Ended July 31, 2018

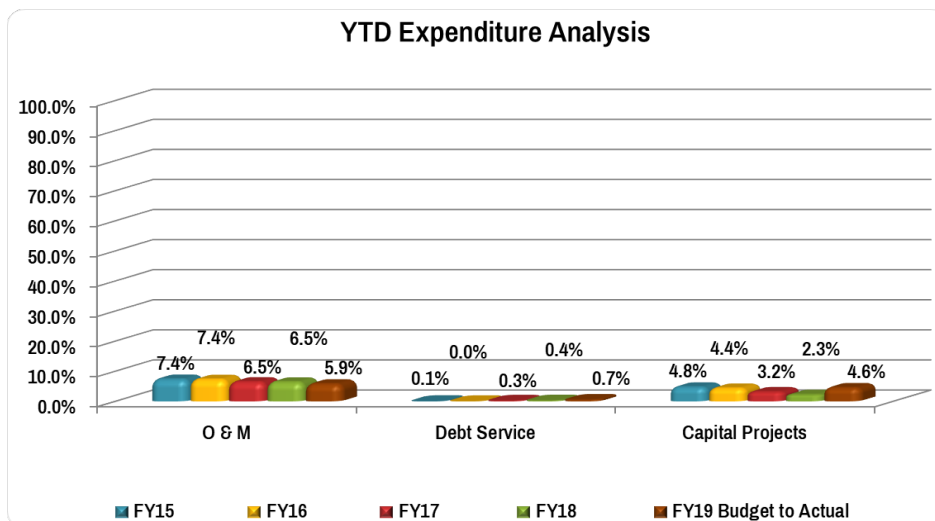
Page 6

Metropolitan Sewerage District
ANALYSIS OF EXPENDITURES
As of July 31, 2018



Monthly Expenditure Analysis:

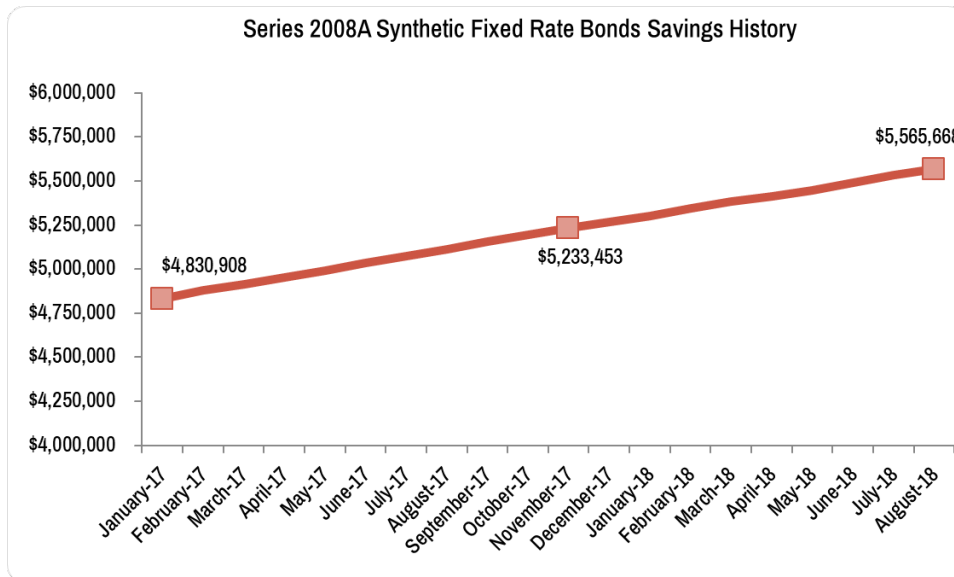
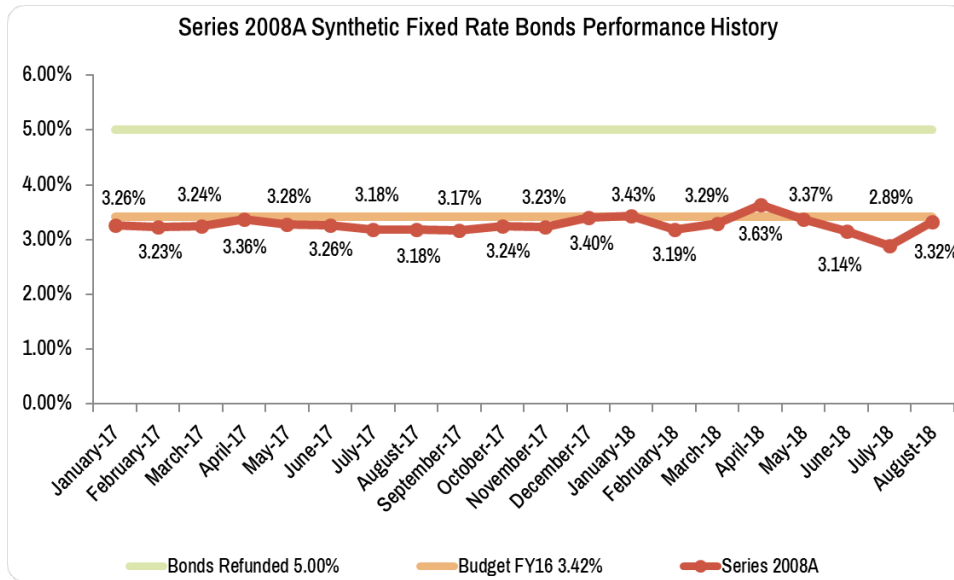
- Monthly O&M expenditures are considered reasonable based on historical trends and timing of expenditures in the current year.
- Due to the nature of the variable rate bond market, monthly expenditures can vary year to year. Based on current variable interest rates, monthly debt service expenditures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

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



Series 2008A:

- * Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$5,565,668 as compared to 4/1/2008 fixed rate of 4.85%.
- * Assuming that the rate on the Series 2008A Bonds continues at the current all-in rate of 3.9475%, MSD will achieve cash savings of \$4,670,000 over the life of the bonds.
- * MSD would pay \$2,515,669 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			Construction 75% complete
110 Beaver Drive	Woodfin	28804	425	9/3/18-9/28/18	210211	674			Work Beginning
Old Patton Cove Road @ US 70 Hwy	Swannanoa	28778	1021	10/1/18 - 11/1/18	255611	631			Ready for construction
Old Patton Cove Road @ Reese Drive	Swannanoa	28778	376	11/2/18-11/15/18	255612	631			Ready for construction
Kanawha Drive GSR	Montreat	28757	495	FY 18-19	TBA	674			Ready for construction
Laurel Road Phase 2B	Arden	28704	1078	FY 18-19	250366	TBA			Ready for construction
500 Laurel Avenue Sewer Rehabilitation	Black Mountain	28711	230	FY 18-19	247281	TBA			Ready for construction
149 State Street Sewer Rehabilitation	Asheville	28806	265	FY 18-19	237791	TBA			In ROW
Saint Johns Street Force Main Replacement	Arden	28704	1040	FY 18-19	238516	TBA			Ready for Construction
Vandalia Ave Sewer Rehabilitation	Asheville	28806	1325	FY 18-19	248041	TBA			Ready for Construction
77 Dellwood Street Sewer Rehabilitation	Asheville	28804	200	FY 18-19	237568	TBA			Ready for Construction
905 Patton Avenue	Asheville	28806	187	FY 18-19	220384	TBA			Ready for construction
106 Seventh St Sewer Rehabilitation	Black Mountain	28711	200	FY 18-19	225198	TBA			Ready for Construction
26 Wilshire Drive Sewer Rehabilitation	West Asheville	28806	1478	FY 18-19	235158	TBA			in ROW
Bell Rd at New Haw Creek Rd Sewer Rehabilitation	Asheville	28805	725	FY 18-19	248044	TBA			in ROW
Waynensville Avenue at Brownwood	Asheville	28806	370	FY 18-19	247283	TBA			In Design
350 Old Haw Creek Road Sewer Rehabilitation	Asheville	28805	1537	FY 18-19	47802	TBA			In Design
12 Mayflower Drive Sewer Rehabilitation	Asheville	28804	350	FY 18-19	247347	TBA			In Desin
15 New Jersey Sewer Rehabilitation	Asheville	28806	250	FY 18-19	238782	TBA			In Design
44 Dogwood Grove Sewer Rehabilitation	Asheville	28805	525	FY 18-19	248033	TBA			In survey
Beardon Ave at Cumberland Ave	Asheville	28801	425	FY 18-19	247286	TBA			Preliminary Engineering
Barnard Avenue at Lookout Sewer Rehabilitation	Asheville	28804	200	FY 18-19	236089	TBA			Preliminary Engineering
55 Congress Street Sewer Rehabilitation	Asheville	28801	823	FY 18-19	247631	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 7/31/2018

	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	28	8	328	986	23	34	4,335	0	321	660	19	412	1393
Grand Totals	28	8	328	986	23	34	4,335	0	321	660	19	412	1393

* Used to calculate Total Rehab Footage



PIPELINE MAINTENANCE TOTALS BY DATE COMPLETED - Monthly

July 01, 2018 to July 31, 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
Grand Total:	78,545	1,208	693	79,238	23,634	0	1,683
Avg Per Month:	78,545	1,208	693	79,238	23,634	0	1,683



CUSTOMER SERVICE REQUESTS

Monthly - All Crews

CREW	MONTH	JOBS	AVERAGE RESPONSE TIME	AVERAGE TIME SPENT
DAY 1ST RESPONDER				
	July, 2018	97	20	35
		97	20	35
NIGHT 1ST RESPONDER				
	July, 2018	11	17	25
		11	17	25
ON-CALL CREW *				
	July, 2018	44	46	54
		44	46	54
Grand Totals:		152	27	40

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

CAPITAL IMPROVEMENT PROGRAM

STATUS REPORT SUMMARY

September 12, 2018

PROJECT	LOCATION OF PROJECT	CONTRACTOR	AWARD DATE	NOTICE TO PROCEED	ESTIMATED COMPLETION DATE	*CONTRACT AMOUNT	*COMPLETION STATUS (WORK)	COMMENTS
DRY RIDGE ROAD (4-INCH MAIN)	Asheville 28804	TBD	TBD	TBD	TBD	TBD	0%	Project was bid on August 30th. Buckeye Bridge LLC is the apparent low bidder. Project will be presented at September Board meeting.
ELKWOOD AVENUE	Woodfin	Thomas Construction Company	9/20/2017	11/6/2017	10/1/2018	\$1,226,672.00	90%	Mainline is complete. Working on services and restoration.
HENDERSONVILLE ROAD @ ROSSCRAGGON DRIVE, PHASE 2	Arden	Terry Brothers Construction Company	1/17/2018	4/16/2018	10/1/2018	\$1,249,473.60	98%	Mainline is complete. Final inspection being scheduled.
HILL STREET	Asheville 28801	Terry Brothers Construction Company	7/18/2018	8/1/2018	11/28/2018	\$654,969.00	50%	Installing mainline near Station 13+00.
MEMORY LANE	Asheville 28805	Terry Brothers Construction Company	6/13/2018	TBD	TBD	\$626,774.80	0%	Contractor will start construction after Hill Street is nearing completion.
MOUNTAIN VIEW ROAD	Asheville 28805	Thomas Construction Company	2/21/2018	4/2/2018	10/1/2018	\$490,112.00	95%	Asphalt milling and overlay scheduled for early September.
PATTON HILL ROAD (4-INCH MAIN)	Swannanoa	Fuller & Company Construction	4/18/2018	5/29/2018	11/1/2018	\$227,415.11	0%	Contractor to start project after completion of the Sheppard Drive project.
SCHOOL ROAD @ CRANFORD ROAD	Asheville 28806	Fuller & Company Construction	4/18/2018	5/29/2018	10/1/2018	\$116,949.44	80%	Concrete sidewalk, curb & paving restoration in process. No change from last month.
SHEPPARD DRIVE	Asheville 28806	Fuller & Company Construction	4/18/2018	5/29/2018	9/25/2018	\$156,251.79	85%	Installing last manhole and concrete keys. Restoration will begin after that.
SUTTON AVENUE	Black Mountain	Terry Brothers Construction Company	11/15/2017	1/15/2018	9/21/2018	\$1,083,072.68	98%	Final inspection done 9/7/18.
WRF - INTERMEDIATE CLARIFIER SLIDE GATES REPLACEMENT	Woodfin	TBD	TBD	TBD	TBD	TBD	0%	Project was bid on August 30th. NHM Constructors is the apparent low bidder. Project will be presented at September Board meeting.
WRF - PLANT HEADWORKS IMPROVEMENTS	Woodfin	Judy Construction Company	1/18/2017	4/3/2017	2/25/2019	\$9,278,996.97	70%	Second bar screen started up. Installed all isolation gates and 3 fine screen units. Finished construction on metal canopy. Electrical gear scheduled to be on-site by November. Concrete coating for basins ongoing.

*Updated to reflect approved Change Orders and Time Extensions

Planning & Development Project Status Report

Active Construction Projects Sorted by Work Location and Project Number

September 5, 2018

#	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	Testing
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	Hounds Ear (Mears Ave Cottages)	2016123	Asheville	28806	18	402	8/18/2017	Pre-con held, construction not yet started
6	Lausch Subdivision	2016153	Asheville	28805	4	248	5/16/2017	Relocation of portion of line
7	The Peaks Shopping Center	2016175	Asheville	28805	4	850	5/11/2018	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	Installing
10	Grindstaff Subdivision	2016246	Asheville	28805	4	132	6/23/2017	Final Inspection complete, awaiting close-out docs
11	Onteora	2017002	Asheville	28803	6	417	7/18/2017	Waiting on final inspection
12	Gerber Road Storage	2017049	Asheville	28803	Comm.	156	2/9/2018	Waiting on final inspection
13	RADTIP	2017052	Asheville	28801	0	919	2/13/2018	Installing
14	Panda Express	2017080	Asheville	28805	Comm.	100	9/8/2017	Waiting on final inspection
15	Rock Hill Road	2017096	Asheville	28803	15	990	7/24/2018	Pre-con held, construction not yet started
16	605 Fairview Road	2017103	Asheville	28803	10	380	5/18/2018	Installing
17	Beachum's Curve	2017105	Asheville	28806	34	908	7/17/2018	Installing
18	42 Old County Home Road	2017109	Asheville	28805	5	198	3/29/2018	Waiting on final inspection
19	Villa Heights	2017118	Asheville	28806	8	540	2/20/2018	Pre-con held, construction not yet started
20	McCormick Place	2017150	Asheville	28801	17	210	8/3/2018	Testing
21	Westover Hills	2017177	Asheville	28801	1	105	10/6/2017	Final Inspection complete, awaiting close-out docs
22	US 74 Commercial Development	2018010	Asheville	28803	4	265	5/25/2018	Pre-con held, construction not yet started
23	Sunrise Drive Homes	2018046	Asheville	28806	5	220	7/20/2018	Waiting on final inspection
24	Alice Place Subdivision	2018066	Asheville	28803	19	480	6/19/2018	Testing
25	Ingles Smokey Park Highway	2018074	Asheville	28806	1	1,289	4/11/2014	Installing
26	West Keesler Avenue	2007176	Black Mountain	28711	6	410	11/15/2016	Final Inspection complete, awaiting close-out docs
27	808 Montreat Road	2015126	Black Mountain	28711	4	371	4/18/2017	Final Inspection complete, awaiting close-out docs
28	Tudor Croft (aka Roberts Farm) Ph.2	2016170	Black Mountain	28711	46	1,320	1/3/2017	Phase 2A inspected, waiting on closeout docs
29	Swannanoa Valley Christian Min.	2017043	Black Mountain	28711	12	195	8/1/2017	Final Inspection complete, awaiting close-out docs
30	Cherokee Trail	2017065	Black Mountain	28711	4	90	8/18/2017	Final Inspection complete, awaiting close-out docs
31	Peregrine's Ridge	2006160	Buncombe Co.	28730	14	635	11/8/2016	Final Inspection complete, awaiting close-out docs
32	Hyde Park Phase 2	2013058	Buncombe Co.	28704	14	500	12/3/2013	Waiting on final inspection
33	Creekside Cottages	2014095	Buncombe Co.	28704	7	504	3/12/2015	Waiting on final inspection
34	Avondale Subdivision	2015052	Buncombe Co.	28803	4	215	4/7/2017	Final Inspection complete, awaiting close-out docs
35	Bee Tree Village	2015158	Buncombe Co.	28778	26	1,118	3/17/2017	Waiting on final inspection
36	Newbridge Pkwy Apts. Phase II	2016013	Buncombe Co.	28804	154	1,368	10/27/2017	Waiting on testing
37	Weatherwood Subdivision	2016034	Buncombe Co.	28704	19	785	7/21/2017	Final Inspection complete, awaiting close-out docs
38	Long Shoals Apts.	2016070	Buncombe Co.	28704	475	930	7/10/2017	Final Inspection complete, awaiting close-out docs
39	Perry Lane Apartments	2016075	Buncombe Co.	28704	120	710	11/7/2017	Waiting on final inspection
40	The Preserve at Avery's Creek	2016089	Buncombe Co.	28704	141	4,000	6/16/2017	Waiting on final inspection
41	NCDOT 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	Curry Court - Habitat	2017086	Buncombe Co.	28715	12	557	4/13/2018	Waiting on final inspection
44	240 Old Farm School Road	2017112	Buncombe Co.	28805	4	340	2/9/2018	Final Inspection complete, awaiting close-out docs
45	Baldwin Road Subdivision	2017138	Buncombe Co.	28704	68	1,740	3/28/2018	Waiting on final inspection
46	Rosscraggon Road Subdivision	2018048	Buncombe Co.	28704	4	370	4/20/2018	Installing
47	Upper Grassv Branch Road	2018087	Buncombe Co.	28805	6	250	8/31/2018	Pre-con held, construction not yet started
48	Greenwood Park Phase 1	2014067	Weaverville	28787	7	283	9/1/2015	Final Inspection complete, awaiting close-out docs
49	New Homes at North Main (Crittter)	2016052	Weaverville	28787	54	1,808	2/10/2017	Final Inspection complete, awaiting close-out docs
50	Starview Heights	2016184	Weaverville	28787	16	Private	1/12/2018	Final Inspection complete, awaiting close-out docs
51	Wheeler Road	2017019	Weaverville	28787	72	1,535	3/28/2018	Waiting on final inspection
52	44 Central Ave	2017107	Weaverville	28787	7	275	10/27/2017	Final Inspection complete, awaiting close-out docs
53	Lakeshore Drive	2017137	Weaverville	28787	4	70	10/27/2017	Final Inspection complete, awaiting close-out docs
54	Maple Trace Phase 2	2017160	Weaverville	28787	37	2,560	3/27/2018	Waiting on final inspection
55	Crest Mountain Phase 3B	2013041	Woodfin	28806	69	1,329	10/15/2013	Punchlist pending, awaiting closeout documents
56	Reese & Jan Lasher (High Hopes)	2015152	Woodfin	28806	14	320	4/26/2016	Final Inspection complete, awaiting close-out docs
57	Ventana Phase 2A	2016059	Woodfin	28806	8	900	2/17/2017	Final Inspection complete, awaiting close-out docs
58	Olivette Development-Phase 1 Gravity	2016065	Woodfin	28804	356	1,155	3/29/2018	Installing
59	Olivette Pump Station/Force Main	2016213	Woodfin	28804	356	1,740	2/27/2018	Pump station not started, Pilot bore under river
60	Ricky Robinson Property	2017088	Woodfin	28804	1	385	7/31/2018	Pre-con held, construction not yet started
61	Apple Lane	2017130	Woodfin	28804	4	60	8/31/2018	Pre-con held, construction not yet started
62	88 North Merrimon Avenue	2017196	Woodfin	28804	Comm.	455	5/11/2018	Waiting on final inspection
63	Greenwood Fields Phase 2	2018006	Woodfin	28804	158	2,200	3/9/2018	Waiting on final inspection
TOTAL					2,846	45,671		