

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT**  
**JULY 20, 2016**

**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, July 20, 2016. Chairman VeHaun presided with the following members present: Ashley, Belcher, Bryson, Collins, Creighton, Frost, Kelly, Manheimer, Pelly, Root and Wisler.

Others present were: Thomas E. Hartye, PE, General Manager; William Clarke, General Counsel; Forrest Westall with McGill Associates; Joseph Martin with Woodfin Sanitary Water & Sewer District; Cheryl Rice, Ed Bradford, Hunter Carson, Peter Weed, Mike Stamey, Jim Hemphill and Pam Nolan.

**2. Election of Officers:**

Mr. VeHaun called on Mr. Clarke to preside over the election of the Chairman. Mr. Clarke called for nominations for Chairman of the MSD Board. Mr. Kelly nominated Mr. VeHaun as Chairman. Mr. Pelly seconded the nomination. Mr. Clarke called for further nominations. With no further nominations Mr. Clarke called for a motion that nominations be closed, and that Mr. VeHaun be elected, by acclamation, as Chairman of the MSD Board for 2016-2017. Mr. Kelly made the motion. Mr. Pelly seconded. Voice vote in favor of the motion was unanimous.

Mr. VeHaun called for nominations for Vice Chairman of the MSD Board. Ms. Bryson nominated Mr. Kelly. Mr. Pelly seconded the nomination. Mr. VeHaun called for further nominations. With no further nominations, Mr. VeHaun called for a motion that nominations be closed and that, by acclamation, Mr. Kelly be elected as Vice Chairman of the MSD Board for 2016-2017. Ms. Wisler made the motion. Mr. Pelly seconded the motion. Voice vote in favor of the motion was unanimous.

Mr. VeHaun appointed Ms. Bryson as Secretary/Treasurer of the MSD Board for 2016-2017. Mr. Kelly moved to approve the appointment of Ms. Bryson. Mr. Pelly seconded the motion. Voice vote in favor of the appointment was unanimous.

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

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

**4. Approval of Minutes of the June 15, 2016 Board Meeting:**

Mr. VeHaun asked if there were any changes to the Minutes of the June 15, 2016 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.

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

None

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

None

**7. Report of General Manager:**

Mr. Hartye reported that the Government Finance Officers Association has recognized MSD with a Certificate of Achievement for the Fiscal Year 2015 Comprehensive Annual Financial Report (CAFR) and expressed many thanks to Scott Powell, Cheryl Rice and Teresa Gilbert.

Mr. Hartye reported that Drew Mosely of Lanvale Avenue wrote in to express his gratitude to Eric Bryant for his follow through and commitment in solving his problem. Mr. Stevens of Weston Road called to express his appreciation to Wayne Rice, Travis Courtney, and Lloyd Anders for their courtesy and a repair job well done.

Mr. Hartye reported the Personnel Committee met at 1:15 on July 20<sup>th</sup>. The next regular Board Meeting will be held on August 17<sup>th</sup> at 2pm. The next Right of Way Committee meeting will be held on August 24<sup>th</sup> at 9am.

**8. Report of Committees:**

**Personnel Committee:**

Mr. VeHaun called for a motion to insert the Personnel Committee report to the agenda. Mr. Kelly moved. Mr. Creighton seconded. Voice vote in favor of the motion was unanimous. Ms. Bryson reported that the Personnel Committee met on this day at 1:15 pm to consider the evaluation of the General Manager. Mr. Hartye reviewed short-term goals, milestones and objectives. The Committee recommends the Board approve an increase of 3.0% effective July 1, 2016. Mr. VeHaun called for a motion to approve the recommendation of the Personnel Committee. Mr. Root moved. Mr. Belcher seconded the motion. Roll call vote was as follows: 12 Ayes; 0 Nays.

**9. Consolidated Motion Agenda:**

**a. Consideration of Bids – Dellwood Avenue Sanitary Sewer Replacement:**

Mr. Hartye reported that the Dellwood Avenue project is located in the Grovemont area in Swannanoa and consists of replacing a problematic 6-inch clay line with 392 linear feet of 8-inch ductile iron pipe. The

contract was informally advertised and five bids were received on June 30, 2016 as follows: Huntley Construction Co. in the amount of \$145,298.24; Buckeye Bridge, LLC in the amount of \$134,752.80; Thomas Construction Co. in the amount of \$111,831.93; Davis Grading Inc. in the amount of \$95,803.00; and Terry Brothers Construction Co. Inc. in the amount of \$63,692.00. Terry Brothers Construction Co. Inc. is the apparent low bidder. They have completed numerous MSD sewer rehabilitation projects and their work quality has been excellent. Staff recommends award of this contract to Terry Brothers Construction Company Inc. in the amount of \$63,692.00, subject to review and approval by District Counsel.

**b. Consideration of Developer Constructed Sewer Systems: The Crossings at Beaverdam; 26 Carl Alwin Place; Waters Road:**

Mr. Hartye reported that the Crossings at Beaverdam project is located in the Town of Woodfin. This project included relocating approximately 119 linear feet of 8-inch public gravity sewer to serve a 170 unit assisted living facility.

Mr. Hartye reported the 26 Carl Alwin Place project is located off of Long Shoals Road in Buncombe County. This project included relocating approximately 250 linear feet of 8-inch public gravity sewer to serve the three unit commercial building.

Mr. Hartye reported the final project is Waters Road and is located off of Waters Road in the City of Asheville. This project included extending approximately 654 linear feet of 8-inch public gravity sewer to serve the twenty unit residential development.

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

**c. Cash Commitment/Investment Report Month ended May, 2016:**

Mr. Hartye reported that Page 21 presents the makeup of the District's total cash and investments as of May 31, 2016 in the amount of \$49,322,924.00. Budgeted commitments out of that amount include Construction and Operation and Maintenance Funds of approximately \$7 Million, Bond Restricted Funds of about \$6.8 Million, District Reserve Funds of about \$2 Million and District Insurance Funds of about \$2.9 Million, leaving funds designated for capital outlay about \$30 Million which will be for projects going forward. The next two pages show the Investment Portfolio and the Investment Manager's Report, which are substantially the same as the end of April, 2016. The Analysis of Cash Receipts shows the Domestic Revenue, Industrial Revenue and Facility and Tap Fees. The top graph shows Monthly Cash Receipt Analysis. One month is basically 8.5% so you can compare these

numbers and see that the Domestic and Industrial Revenue are pretty average. The Facility and Tap Fees are about double for the month due to the number of collected facility fees for development. The bottom graph shows the Year to Date Cash Receipt Analysis. The 11 month average would be about 91.7% . Domestic and industrial sewer revenue are very close at 92% with industrial revenue being slightly over. Facility and tap fees again are well above the average due to collected facility fees from new development. The following page shows Monthly and Yearly expenditure analysis. The top graph is very similar and you are looking at about 8.5% for the average month for O&M. The debt service is low due to timing the payments in larger chunks with typically one payment made at the end of the year. Capital projects are a little bit lower. The YTD Expenditure Analysis shows a comparison with 11 of 12 months at basically 92%. The O&M and Capital Projects are pretty close to that figure. The debt service is low for the same reason as mentioned in the above graph. The last page shows the Variable Debt Service Report. The Series 2008A Synthetic Fixed Rate Bonds Performance History basically shows that the District is continuing to save money compared to the fixed rate of 4.85% in 2008. To date savings have amounted to approximately \$4.5 million dollars compared to the prior rate.

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

**10. Old Business:**

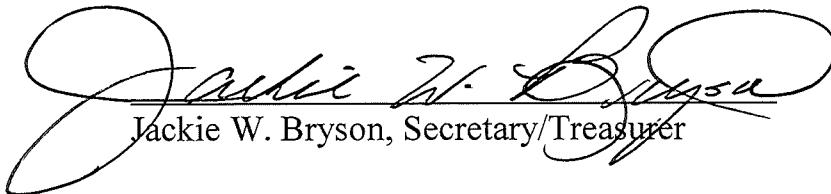
None

**11. New Business:**

None

**12. Adjournment:**

With no further business, Mr. VeHaun called for adjournment at 2:13 pm.

  
Jackie W. Bryson, Secretary/Treasurer

# MSD

## Regular Board Meeting

Metropolitan Sewerage District  
of Buncombe County, NC

### AGENDA FOR 7/20/16

✓	Agenda Item	Presenter	Time	
	Call to Order and Roll Call	VeHaun	2:00	
	01. Election of Officers	VeHaun	2:05	
	02. Inquiry as to Conflict of Interest	VeHaun	2:15	
	03. <a href="#">Approval of Minutes of the June 15, 2016 Board Meeting.</a>	VeHaun	2:20	
	04. Discussion and Adjustment of Agenda.	VeHaun	2:25	
	05. Informal Discussion and Public Comment	VeHaun	2:30	
	06. <a href="#">Report of General Manager</a>	Hartye	2:35	
	07. Consolidated Motion Agenda		2:45	
	a. <a href="#">Consideration of Bids-Dellwood Avenue Sewer Replacement Project.</a>	Hartye		
	b. Consideration of Developer Constructed Sewer Systems: <a href="#">The Crossings at Beaverdam; 26 Carl Alwin Place; Waters Road.</a>	Hartye		
	c. <a href="#">Cash Commitment/Investment Report Month Ended May 31, 2016.</a>	Powell		
	08. Old Business:	VeHaun	3:00	
	09. New Business:	VeHaun	3:15	
	10. Adjournment: (Next Meeting 8/17/16)	VeHaun	3:25	
	<a href="#">STATUS REPORTS</a>			

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT**  
**JUNE 15, 2016**

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

The regular monthly meeting of the Metropolitan Sewerage District Board and Public Hearing on the Budget for FY 2017 was held in the Boardroom of MSD's Administration building at 2pm Wednesday, June 15, 2016. Chairman VeHaun presided with the following members present: Bryson, Collins, Kelly, Pelly, Root and Wisler. The following members were absent: Ashley, Belcher, Creighton, Frost and Manheimer.

Others present were: Thomas E. Hartye, General Manager; William Clarke, General Counsel; Marcus Jones with Henderson County; Joseph Martin with Woodfin Sanitary Water & Sewer District, and Patty Beaver with CIBO; Ed Bradford, Peter Weed, Scott Powell, Mike Stamey, Ken Stines, Matthew Walter, Jim Hemphill, Julie Willingham, Sondra Honeycutt and Pam Nolan.

**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 May 18, 2016 Board Meeting:**

Mr. Vahaun asked if there were any changes to the Minutes of the May, 2016 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. Vahaun welcomed Mr. Jones, Mr. Martin and Ms. Beaver. There was no public comment.

**6. Report of General Manager:**

Mr. Hartye reported that there will be a Public Hearing on the Final Budget at this meeting. There have been no changes to the Preliminary Budget that was approved in May.

Mr. Hartye reported that Mr. Cary Saul e-mailed an appreciation for the wonderful customer service from Brenda Parker and Grady Brooks. Jan Justice of Rosemary Road called to express thanks to Dan Cook. He further reported that Sharon Morgan, CSM, CMD, General Manager of the Asheville Outlets called to express appreciation to Mike Stamey and the Construction Department stating that there were 41,882 people in the center and traffic flowed smoothly over the holiday week-end.

Mr. Hartye reported that Sondra Honeycutt is retiring after 25 years serving as the Executive Secretary to the GM and the MSD Board. Mr. Hartye stated that she is very professional and takes her job very seriously and will be greatly missed by him and the other employees as well. There will be a retirement party for Mrs. Honeycutt and Senior Engineer Roger Watson on June 23<sup>rd</sup> and 3 pm. Mr. Hartye stated that there will be cake after the meeting and an opportunity to express your well wishes for her retirement. Chairman VeHaun, on behalf of the Board, read a resolution in her honor and for appreciation of her services. Mrs. Honeycutt stated that it had been her pure pleasure working for the Board and for Mr. Hartye and thanked Mr. Clarke for his assistance with the Board work. Mr. Clarke stated that it had been a pleasure working with her. Mr. VeHaun called for a motion to adopt the Resolution. Mr. Kelly moved. Mr. Pelly seconded the motion. Voice Vote in favor of the motion was unanimous.

Mr. Hartye reported the next regular Board Meeting will be held July 20<sup>th</sup> at 2pm. The next Right of Way Committee meeting will be held on July 27<sup>th</sup> at 9am.

**7. Consolidated Motion Agenda:**

**a. Consideration of Bids – Mountain View Pump Station Generator Site:**

Mr. Hartye reported that this project is located in South Asheville on Glen Arden Elementary School Campus. The purpose of the project is to provide automatic emergency backup power for this pump station, in the event the station loses power. The station currently relies on a portable generator, which has to be transported from the plant. MSD has worked closely with school staff to allow this to be placed on school property. This contract was informally advertised and received two bids, PAGE Power Systems, Inc. with a bid of \$174,656.00 and Haynes Electric Construction Company with a bid of \$148,800.00. Haynes Electric has completed multiple MSD projects and their work quality has been excellent. The Budget for this project is \$155,000.00. Staff recommends award of this contract to Haynes Electric Construction Company in the amount of \$148,800.00, subject to review and approval by District Counsel.

**b. Consideration of Developer Constructed Sewer Systems: Burk Street Phase III; Long Shoals Village Phase I; Pisgah View Subdivision:**

Mr. Hartye reported that the Burk Street Phase III project is located at the intersection of Burk Street and Grinnell Street in the City of Asheville. This project included extending approximately 115 linear feet of 8-inch public gravity sewer to serve a five unit single family residential development.

Mr. Hartye reported the Long Shoals Village Phase I project is located on Long Shoals Road in the City of Asheville. This project included extending approximately 584 linear feet of 8-inch public gravity sewer to serve the commercial development.

Mr. Hartye reported the final project is Pisgah View Subdivision and is located off of Pisgah View Road in the City of Asheville. This project included extending approximately 180 linear feet of 8-inch public gravity sewer to serve the commercial development.

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

**c. MSD FY17 Non City of Asheville Road ROW Paving Restoration Contract:**

Mr. Hartye reported this annual contract is for the restoration of roads, driveways and sidewalks resulting from District maintenance activities for areas outside the City of Asheville Road Right of Ways. These activities are planned (i.e. taps for new connections or small repairs), and unplanned (i.e. emergency repairs to the system). The contractor is required to handle all aspects of each repair-which include mobilization to each site within 24 hours; repair quality be made to public standards; and a two-year warranty is provided on all work. District staff performs limited repairs of this type as time and resources allow. In addition, for larger in-house rehabilitation projects, the paving work is competitively bid on a per-project basis. It is noted that paving restoration following District maintenance activities in road right of ways owned by the City of Asheville is handled under a separate paving contract between MSD and the City. This contract was advertised with three contractors being contacted directly. One informal bid was received on May 26, 2016 from French Broad Paving, Inc. in the amount of \$217,075.00. French Broad Paving, Inc. has performed previous paving projects for the District and they have an excellent performance history. Staff recommends award of this contract to French Broad Paving, Inc. in the amount of \$217,075.00, contingent upon review and approval by District Counsel.

**d. Report on MSD Paving Agreement with City of Asheville:**

Mr. Hartye reported that this agreement is for asphalt and concrete (patching) restoration of public roads and sidewalks for small projects within Asheville City Limits. The City crews can handle these projects of 300 SF or less. MSD and the City worked together to facilitate an annually renewing agreement approved by the Board on June 12, 2013. The District's monetary contribution for FY 17 is \$502,000.00. This amount is based on usage throughout this past year with a total patching area of 20,000 SF. The FY 17 budget estimate for this item is \$502,000.00. This is an informational item only. No action is required.



**e. Consideration of Bids–Sodium Hypochlorite Contract:**

Mr. Hartye reported that the Water Reclamation Facility is required to disinfect the effluent prior to discharge to the French Broad River. Liquid sodium hypochlorite is used for this purpose. Bids were emailed to five vendors and an advertisement placed on the MSD web site. The following four bids were received on May 18, 2016: Specialty Chemical with a bid of \$0.6133 per gallon; Suffolk Sales with a bid of \$0.618 per gallon; JCI Jones with a bid of \$0.66 per gallon and Oltrin with a bid of \$0.60 per gallon. Oltrin is the apparent low bidder and has agreed to hold their price firm for the total year contract irrespective of market changes. Oltrin has been a supplier of Sodium Hypochlorite to MSD in previous years and staff is comfortable with the quality of the chemicals and customer service supplied by them. The FY17 expenditure for Sodium Hypochlorite is anticipated to be \$120,000.00, which is within the level of the WRF budget. Staff recommends that the Board award the contract for the supply of Sodium Hypochlorite to Oltrin at a unit price of \$0.60 per gallon.

**Consideration of Bids-Calcium Nitrate Solution for Odor and Hydrogen Sulfide Control Contract:**

Mr. Hartye reported that MSD has been using a calcium nitrate based solution for the last few years to control hydrogen sulfide formation in the South French Broad Interceptor. Calcium nitrate has proven to be effective in combating the formation of hydrogen sulfide and preventing degradation of the line. It also helps control the smell and longevity of the pipe. Bids were emailed to vendors and an advertisement placed on the MSD web site. The following two bids were received on May 18, 2016: Southern Environmental Systems with a bid of \$1.99 per gallon and Evoqua with a bid of \$2.058 per gallon. Southern Environmental Systems was the apparent low bidder and has agreed to hold their price firm for the total year contract irrespective of market changes. Southern Environmental Systems has been a supplier of calcium nitrate solution to MSD in previous years and staff is comfortable with both the quality of the chemicals and customer service provided by them. Based on an estimated use of 90,000 gallons at \$1.99 per gallon, the annual expenditure is anticipated to be \$179,100.00 and is within levels budgeted by the WRF. Staff recommends that the Board award the contract for the supply of calcium nitrate solution to Southern Environmental Systems at a unit price of \$1.99 per gallon.

**f. Cash Commitment/Investment Report Month ended April, 2016:**

Mr. Powell reported that Page 32 presents the makeup of the District's Investment Portfolio. The makeup of the portfolio is substantially the same as compared to last month. Page 33 is the MSD Investment Manager report as of the month of April. The weighted average maturity

of the investment portfolio is 251 days. The yield to maturity is .53% and is exceeding MSD bench marks of the 6 month T-Bill and NCCMT cash portfolio. Page 34 is an analysis of the District's Cash Receipts. Monthly and YTD domestic and industrial sewer revenue are Considered reasonable based on the timing of cash receipts in comparison to their respective fiscal periods. YTD Facility and Tap fees are above historical trends due to timing of six (6) cash receipts from developers as well as these fees being budgeted conservatively. Page 35 is an analysis of the District's Expenditures. Monthly and YTD O&M expenditures are considered reasonable based on historical trends. Due to the nature of the variable rate bond market, Monthly and YTD expenditures can vary year to year. Based on current variable interest rates, debt service expenditures are considered reasonable. Due to the nature and timing of capital projects, year to date expenditures can vary from year to year based on the current outstanding capital projects, YTD capital project expenditures are considered reasonable. Page 36 is the MSD Variable Debt Service report. The 2008A Series Refunding Bonds is performing better than budgeted expectations. As of the end of April the issue has saved the District's rate payers \$4.5 million dollars in debt service since April 2008.

Mr. Kelly referred to the last item on Page 36 and asked if MSD would have to pay \$5.294 million to terminate the existing Bank of America swap. As we get closer to the maturity of the bond does that figure increase or decrease? Mr. Powell stated yes, as those bonds get closer to maturity the amount of the termination fee would decrease taking into consideration market conditions. Mr. Kelly asked if there was a time that the termination fee could be as much as \$6 million. Mr. Powell stated that the 10 year treasury bond would have to decrease 20 basis points for the termination fee of \$6 million to have a negative value. Mr. Kelly asked in the best case scenario when the bonds mature the termination agreement goes away as long as we do not owe anybody? Mr. Powell stated that is correct as long as we do not terminate the swap. Mr. Kelly asked when these bonds mature? Mr. Powell stated that these bonds mature in 2032.

With no further discussion, Mr. VeHaun called for a motion to approve the Consolidated Motion Agenda. Ms. Bryson moved. Mr. Kelly seconded the motion. Roll call vote was as follows: 7 Ayes; 0 Nays.

**8. Public Hearing: Consideration of Resolution Adopting the Final Budget for FY 2016-2017 and Schedule of Sewer Rates and Fees:**

**MINUTES OF PUBLIC HEARING**

Mr. VeHaun called for a motion to go into a Public Hearing at 2:25 pm. Mr. Kelly made the motion. Mr. Pelly seconded the motion. Voice vote in favor of the motion was unanimous.

Mr. Powell reported that the numbers included in the Proposed Budget are the same as in the Proposed Final Budget. Page 38 is Flow of Funds Chart which is a graphical representation of the Budget Resolution. Page 39 is the actual Proposed Budget Resolution for \$47,009,663 for FY 17 which incorporates the following:

- 2.5% domestic rate increase.
  - 73cent increase in the average single family monthly bill.
  - The Average Monthly bill will go from \$29.15 to \$29.88.
- Continuation of the Industrial Rate Parity Plan.
  - MSD is in year 17 of 20.
  - 4.1% average increase for the industrial section
- Facility and Tap fees remain at 2016 levels.
- 1.0% rate of return on investments.
- 4.80% increase in Salaries and Benefits which has an impact of \$586,000. Includes Personnel Committee recommendations as to a 3% Salary Adjustment, Self-Insurance Funding and GASB 45 OPEB Funding as well as State required Retirement contribution and unemployment funding.
- .68% increase in Materials supplies and service which has an impact of \$43,000.
- \$21 Million CIP Budget

Mr. Powell reported that the final item included is the Schedule of Rates and Fees. He then asked if there were any questions. There were none.

Mr. VeHaun called for public comment on the proposed Budget, Rates and Fees for FY 2016-2017. There were none. Mr. VeHaun then closed the public hearing at 2:29 pm.

With no discussion, Mr. VeHaun called for a motion to approve the Resolution adopting the Final Budget for FY 2016-2017 and Schedule of Sewer Rates and Fees. Mr. Kelly moved. Mr. Pelly seconded the motion. Roll call vote was as follows: 7 Ayes; 0 Nays.

**9. Old Business:**

None

**10. New Business:**

A brief discussion followed regarding improvements to the Boardroom.

**11. Adjournment:**

With no further business, Mr. VeHaun called for adjournment at 2:31 pm.

---

Jackie W. Bryson, Secretary/Treasurer



## MEMORANDUM

TO: MSD Board  
FROM: Thomas E. Hartye, P.E., General Manager  
DATE: July 14, 2016  
SUBJECT: Report from the General Manager

- **GFOA Certificate of Achievement**

The Government Finance Officers Association has recognized MSD with a Certificate of Achievement for the Fiscal Year 2015 Comprehensive Annual Financial Report (CAFR). Many thanks to Scott Powell and Teresa Gilbert.

- **Kudos**

- To Eric Bryant about which Drew Mosely of Lanvale Ave wrote “Mr. Bryant, I want to send a sincere thank you for the help with my cleanout. Your follow-through and commitment to solving the problem are very gratefully acknowledged. I have spoken highly of your help to my friends, neighbors, and colleagues. My most sincere gratitude.”
- Mr. Stevens of Weston Rd called to express his appreciation for Wayne Rice, Travis Courtney, and Lloyd Anders who were very courteous and did a good job repairing a clean-out which was damaged by his neighbor.

- **Board/Committee Meetings/Events**

The Personnel Committee will meet at 1:15 PM on July 20<sup>th</sup>. The next Regular Board Meeting will be held on August 17<sup>th</sup> at 2 pm. The next Right of Way Committee meeting will be held at 9 am on August 24<sup>th</sup>.

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

**BOARD MEETING DATE:** July 20, 2016

**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: Dellwood Avenue Sanitary Sewer Replacement Project, MSD Project No. 2009131

**BACKGROUND:** This project is located in the Grovemont area in Swannanoa, just north of the park.

It consists of replacing a problematic six-inch clay line which is structurally deficient. In addition, this line runs under a house which further complicates maintenance efforts. The new line is comprised of 392 LF of 8-inch DIP.

The contract was informally advertised, and five bids were received on June 30, 2016 in the following amounts:

<u>Contractor</u>	<u>Bid Amount</u>
1) Huntley Construction Co.	\$145,298.24
2) Buckeye Bridge, LLC	\$134,752.80
3) Thomas Construction Co.	\$111,831.93
4) Davis Grading, Inc.	\$ 95,803.00
5) <b>Terry Brothers Const. Co., Inc.</b>	<b>\$ 63,692.00</b>

The apparent low bidder is Terry Brothers Construction Co., Inc. They have 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 FY16-17 Construction Budget for this project is \$90,000.00.

**STAFF RECOMMENDATION:** Staff recommends award of this contract to Terry Brothers Construction Co. in the amount of \$63,692.00, subject to review and approval by District Counsel.

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

**DELLWOOD AVENUE SEWER REHABILITATION**

**PROJECT NO. 2009131**

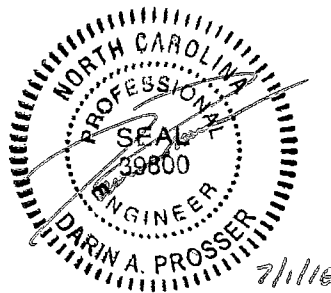
**BID TABULATION**

**June 30, 2016**

<b>BIDDER</b>	<b>MBE Form</b>	<b>Bid Forms (Proposal)</b>	<b>Total Bid Amount</b>
Huntley Construction Company Asheville, NC	1	Yes	\$145,298.24
Buckeye Bridge, LLC Canton, NC	1	Yes	\$134,752.80
Thomas Construction Company Johnson City, TN	1	Yes	\$111,831.93
Davis Grading, Inc. Shelby, NC	2	Yes	\$95,803.00
<b>Terry Brothers Construction Company Leicester, NC</b>	1	Yes	<b>\$63,692.00</b>

**APPARENT LOW BIDDER**

Darin A. 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 2:00 p.m. on the 30th day of June, 2016, 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, CIP Manager  
Darin Prosser, Project Manager

**DATE:** July 1, 2016

**RE:** Dellwood Avenue Sewer Rehabilitation Project, MSD Project No. 2009131

The Dellwood Avenue Sewer Rehabilitation project is located in Swannanoa, and runs from Dellwood Avenue through residential properties and ends at Northwest Avenue.

This project consists of the rehabilitation of an existing 6" clay pipe that is in poor condition and runs under a house. Approximately 392 LF of 8" DIP and 35 LF of 6" DIP will be installed by dig and replace construction. The 6" DIP will connect to an existing 6" iron pipe that extends from a NCDOT culvert. The existing lines for this project have a high pipe rating of 71 due to the problematic 6" clay pipe, which is also difficult to maintain due to being under a house.

On June 30, 2016, five sealed bids were received at 2:00 pm. The results were as follows:

<u>Contractor</u>	<u>Bid Amount</u>
1) Huntley Construction Co.	\$145,298.24
2) Buckeye Bridge, LLC	\$134,752.80
3) Thomas Construction Co.	\$111,831.93
4) Davis Grading, Inc.	\$ 95,803.00
5) <b>Terry Brothers Construction Co., Inc.</b>	<b>\$ 63,692.00</b>

The apparent low bidder is Terry Brothers Construction Co., Inc. with a bid amount of \$63,692.00. The FY16-17 construction budget for this project is \$90,000.00. 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 2016 - 2017**

<b>PROJECT:</b>	Dellwood Avenue	<b>LOCATION:</b>	Asheville
<b>TYPE:</b>	General Sewer Rehab.	<b>PIPE RATING:</b>	71
<b>PROJECT NO.</b>	2009131	<b>TOTAL LF:</b>	436
<b>PROJECT BUDGET:</b>	\$121,850.00	<b>PROJECT ORIGIN:</b>	SSO's; Access; Line condition

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/15	EST. COST JAN - JUNE 2016	BUDGET FY 16-17
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN	\$2,500.00	\$2,500.00		
55330 - DESIGN				
55340 - PERMITS	\$250.00		\$250.00	
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS	\$3,600.00	\$1,015.00	\$2,585.00	
55370 - LEGAL FEES	\$4,000.00	\$989.00	\$3,011.00	
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION	\$20,000.00	\$10,700.00	\$9,300.00	
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$90,000.00			\$90,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING	\$500.00			\$500.00
55450 - SURVEY - ASBUILT	\$1,000.00			\$1,000.00
<b>TOTAL AMOUNT</b>	<b>\$121,850.00</b>	<b>\$15,204.00</b>	<b>\$15,146.00</b>	<b>\$91,500.00</b>

<b>ENGINEER:</b>	MSD	<b>DP</b>	<b>ESTIMATED BUDGETS - FY '18 -'26</b>	
<b>R.O.W. ACQUISITION:</b>	MSD	<b># PLATS: [ 2 ]</b>	FY 17-18	\$0.00
<b>CONTRACTOR:</b>			FY 18-19	\$0.00
<b>CONSTRUCTION ADM:</b>	MSD		FY 19-20	\$0.00
<b>INSPECTION:</b>	MSD		FY 20-21	\$0.00
			FY 21-22	\$0.00
			FY 22-23	\$0.00
			FY 23-24	\$0.00
			FY 24-25	\$0.00
			FY 25-26	\$0.00

**PROJECT DESCRIPTION:** This project is for the relocation of an existing sewer main between Dellwood Ave. and Northwest Ave. in Swannanoa (Grovemont) area. The existing 6-inch vitrified clay pipe is in very poor condition and runs between closely spaced houses making access for maintenance and repairs very difficult.

**SPECIAL PROJECT NOTES:**





**Dellwood Avenue  
Project No. 2009131**

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:** July 20, 2016

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

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

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

**SUBJECT:** Acceptance of Developer Constructed Sewer System for The Crossings at Beaverdam, MSD Project No. 2014150

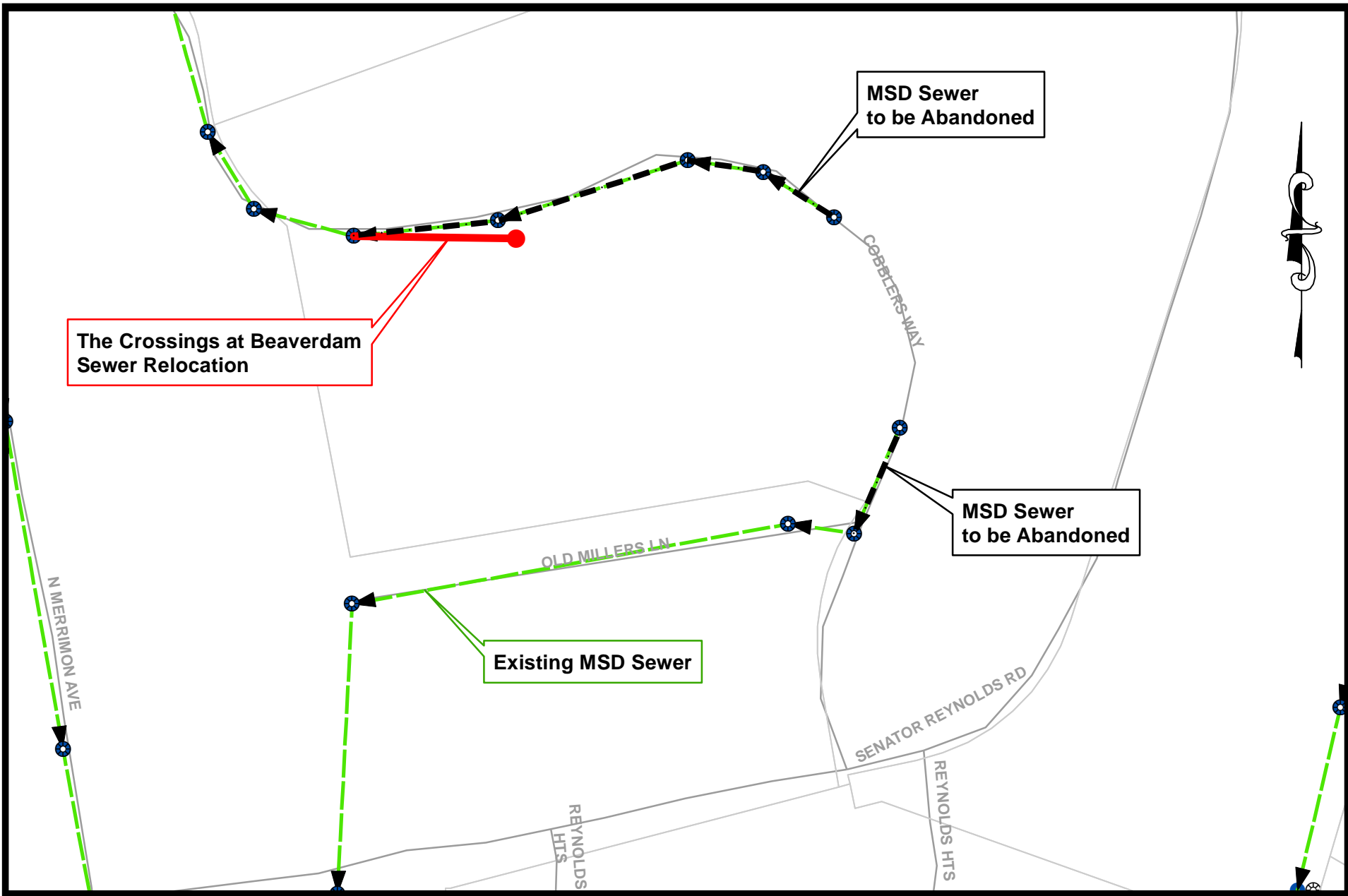
**BACKGROUND:** This project is located inside the District boundary along Cobblers Way in the Town of Woodfin. The developer of the project is Hunter Smith of Buncombe AL Investors, LLC.

The project included relocating approximately 119 linear feet of 8-inch public gravity sewer to serve the 170 unit assisted living facility. Approximately 340 LF of 8-inch sewer was abandoned to accommodate the project.

A wastewater allocation was issued in the amount of 12,235 GPD for the project. The estimated cost of the sewer construction is \$29,000.00.

All MSD requirements have been met.

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



**MSD**  
Engineering Division

**The Crossings at Beaverdam Sewer Relocation - MSD Project # 2014150**

Metropolitan Sewerage District of Buncombe County

7/07/2016

# Metropolitan Sewerage District of Buncombe County

## Board Action Item

**BOARD MEETING DATE:** July 20, 2016

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

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

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

**SUBJECT:** Acceptance of Developer Constructed Sewer System for 26 Carl Alwin Place, MSD Project No. 2014091

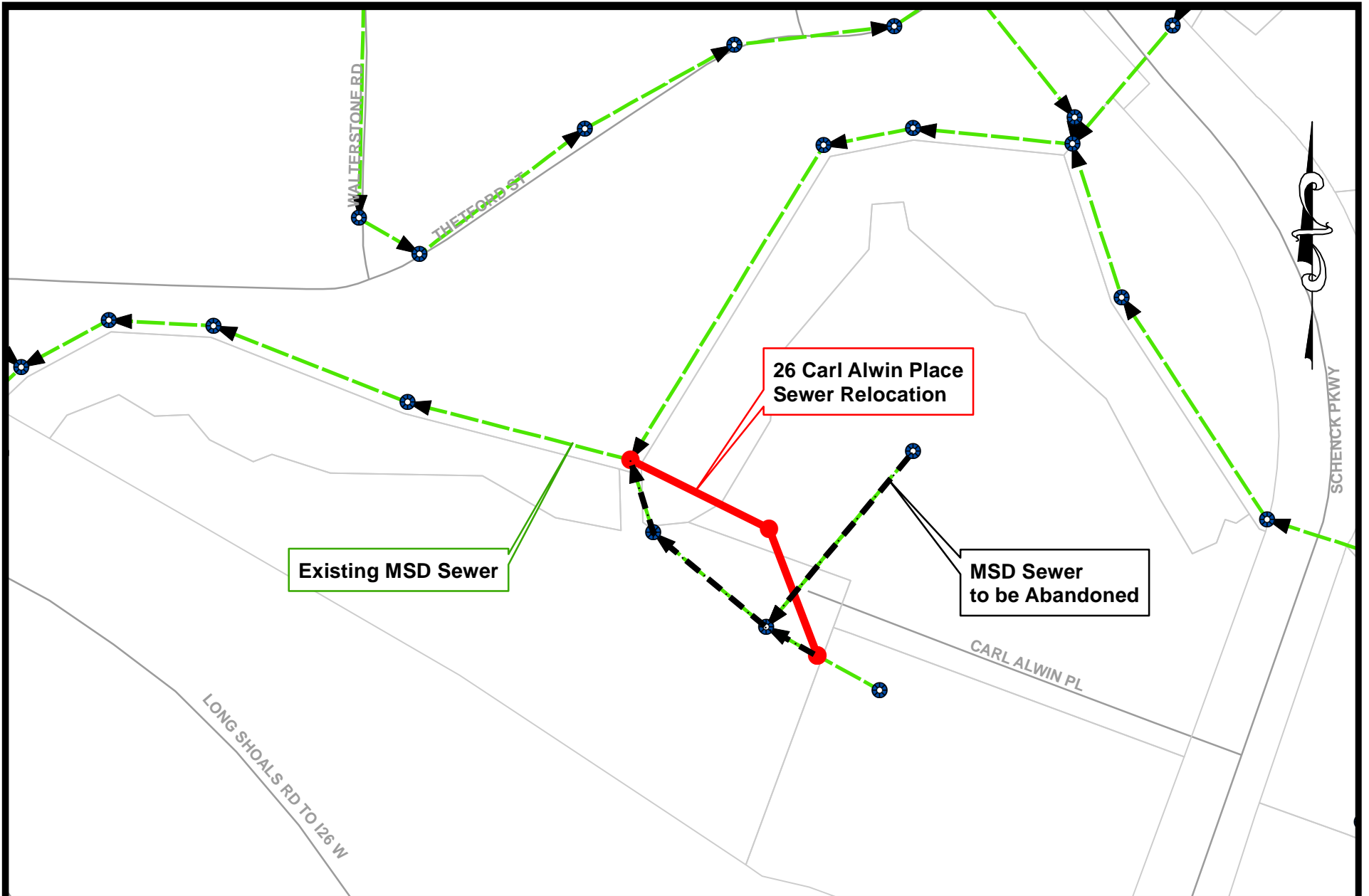
**BACKGROUND:** This project is located inside the District boundary off Long Shoals Road in Buncombe County. The developer of the project is William Misiaveg of Carolina Holdings, Inc.

The project included relocating approximately 250 linear feet of 8-inch public gravity sewer to serve the three unit commercial building. Approximately 310 LF of 8-inch sewer was abandoned to accommodate the project.

A wastewater allocation was issued in the amount of 7,180 GPD for the project. The estimated cost of the sewer construction is \$61,920.00.

All MSD requirements have been met.

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



**MSD**  
Engineering Division

**26 Carl Alwin Place Sewer Relocation - MSD Project # 2014091**  
Metropolitan Sewerage District of Buncombe County

7/07/2016

# Metropolitan Sewerage District of Buncombe County

## Board Action Item

**BOARD MEETING DATE:** July 20, 2016

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

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

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

**SUBJECT:** Acceptance of Developer Constructed Sewer System for the Waters Road Sewer Extension, MSD Project No. 2014086

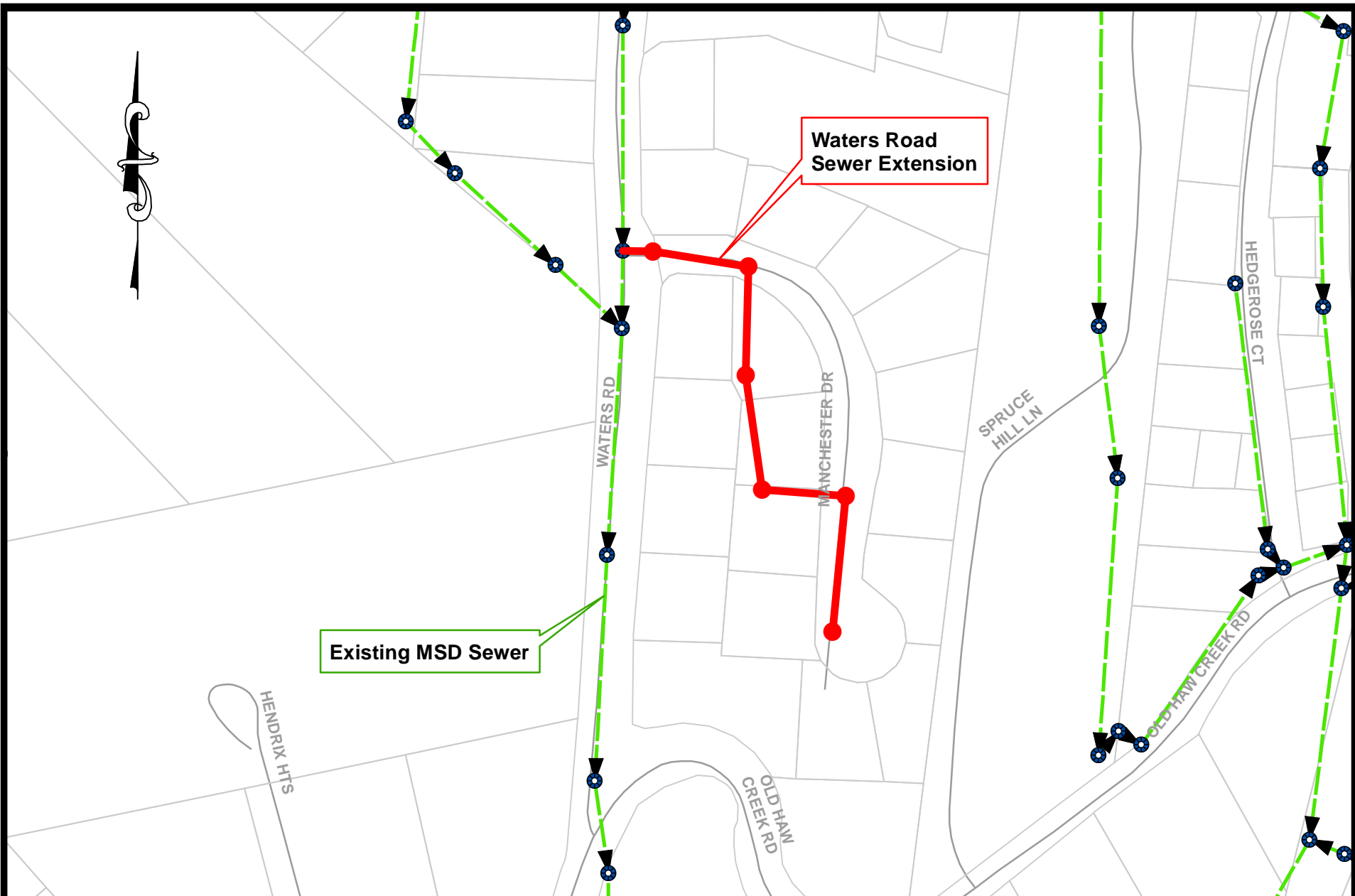
**BACKGROUND:** This project is located inside the District boundary off Waters Road in the City of Asheville. The developer of the project is Chris Eller of Cane Creek Vistas, LLC.

The project included extending approximately 654 linear feet of 8-inch public gravity sewer to serve the twenty unit residential development.

A wastewater allocation was issued in the amount of 6,000 GPD for the project. The estimated cost of the sewer construction is \$69,833.70.

All MSD requirements have been met.

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



**MSD**  
Engineering Division

**Waters Road Sewer Extension - MSD Project # 2014086**  
Metropolitan Sewerage District of Buncombe County

7/07/2016



# Metropolitan Sewerage District of Buncombe County

## BOARD INFORMATIONAL ITEM

**Meeting Date:** July 20, 2016

**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 May 31, 2016

### 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 May 31, 2016 were \$49,322,924. The detailed listing of accounts is available upon request. The average rate of return for all investments is 0.485%. 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 May 31, 2016 do not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of May 31, 2016 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is \$30,387,394.

<b>Total Cash &amp; Investments as of 05/31/2016</b>	49,322,924
<b>Less:</b>	
Budgeted Commitments (Required to pay remaining FY16 budgeted expenditures from unrestricted cash)	
Construction Funds	(4,676,221)
Operations & Maintenance Fund	<u>(2,420,594)</u>
	(7,096,815)
Bond Restricted Funds	
Bond Service (Funds held by trustee):	
Funds in Principal & Interest Accounts	(104,648)
FY16 Principal & Interest Due	<u>(6,714,046)</u>
	(6,818,694)
District Reserve Funds	
Fleet Replacement	(541,942)
WWTP Replacement	(567,972)
Maintenance Reserve	<u>(955,832)</u>
	(2,065,746)
District Insurance Funds	
General Liability	(587,432)
Worker's Compensation	(287,374)
Post-Retirement Benefit	(1,448,683)
Self-Funded Employee Medical	<u>(630,786)</u>
	<u>(2,954,275)</u>
<b>Designated for Capital Outlay</b>	<u><u>30,387,394</u></u>

### Staff Recommendation

None. Information Only.

#### Action Taken

Motion by:

Second by:

Other:

Follow-up Required:

to Approve  
Table

Person Required:

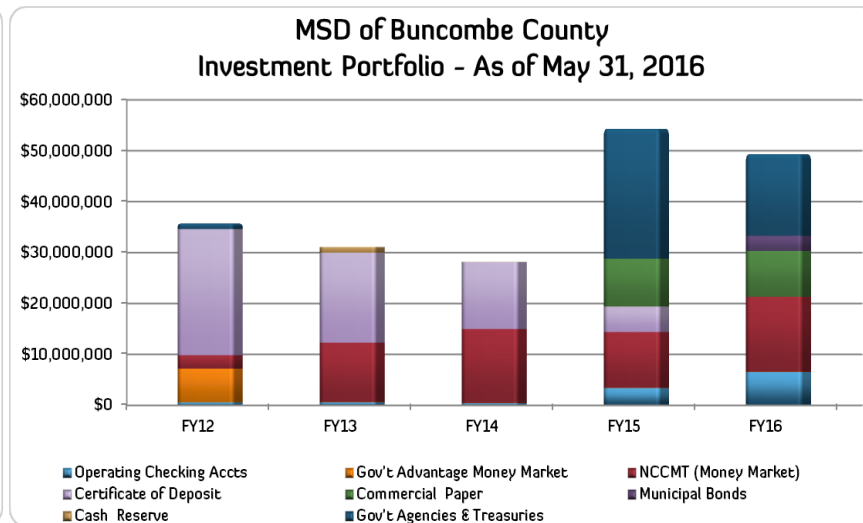
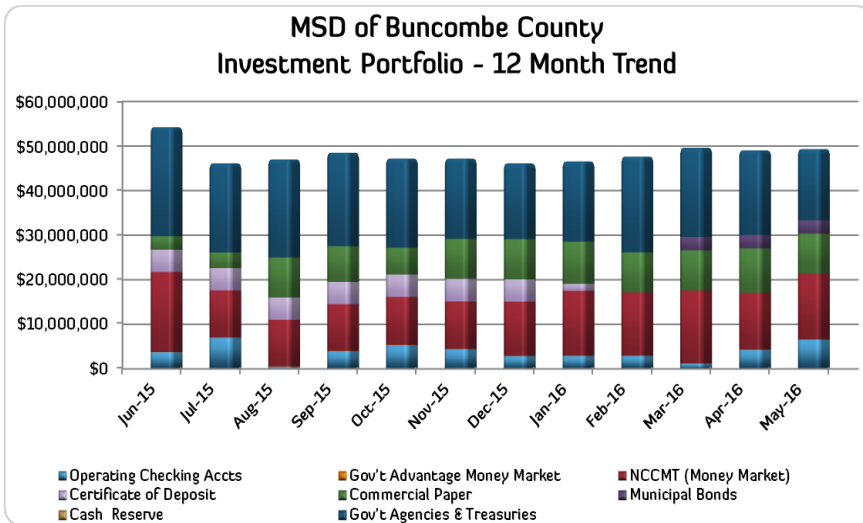
Disapprove  
Send to Committee

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	\$ -	\$ -	\$ 104,647	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 104,647
Held by MSD	6,522,010	46,668	14,661,084	-	8,989,222	3,000,000	-	15,999,293	49,218,277
	<b>\$ 6,522,010</b>	<b>\$ 46,668</b>	<b>\$ 14,765,731</b>	<b>\$ -</b>	<b>\$ 8,989,222</b>	<b>\$ 3,000,000</b>	<b>\$ -</b>	<b>\$ 15,999,293</b>	<b>\$ 49,322,924</b>

Investment Policy Asset Allocation	Maximum Percent	Actual Percent	
U.S. Government Treasuries, Agencies and Instrumentalities	100%	32.44%	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 .54% is exceeding the YTM benchmarks of the 6 month T-Bill and NCCMT Cash Portfolio.
Commercial Paper	20%	18.23%	
Municipal Bonds	100%	6.08%	6 month T-Bill and NCCMT Cash Portfolio.
North Carolina Capital Management Trust	100%	29.94%	
Checking Accounts: Operating Checking Accounts	100%	13.22%	All funds invested in CD's, operating checking accounts, Gov't Advantage money market are fully collateralized with the State Treasurer.
Gov't Advantage Money Market		0.09%	

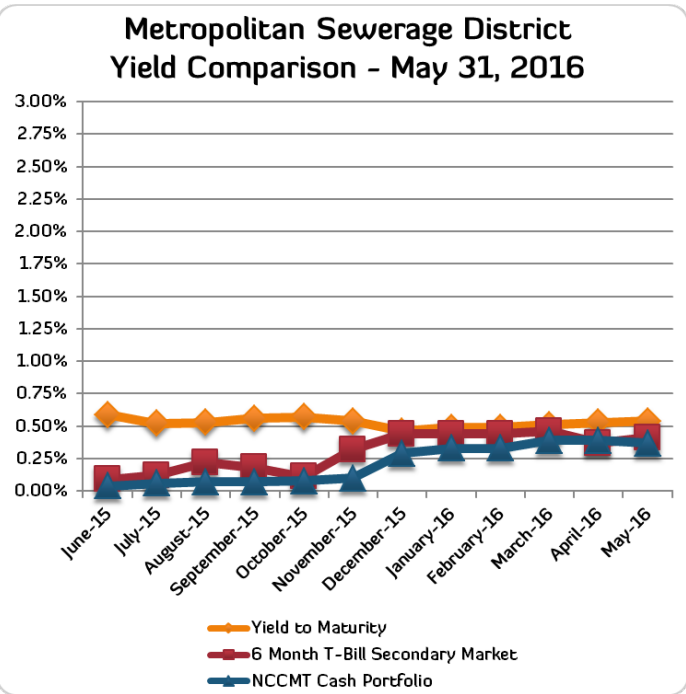
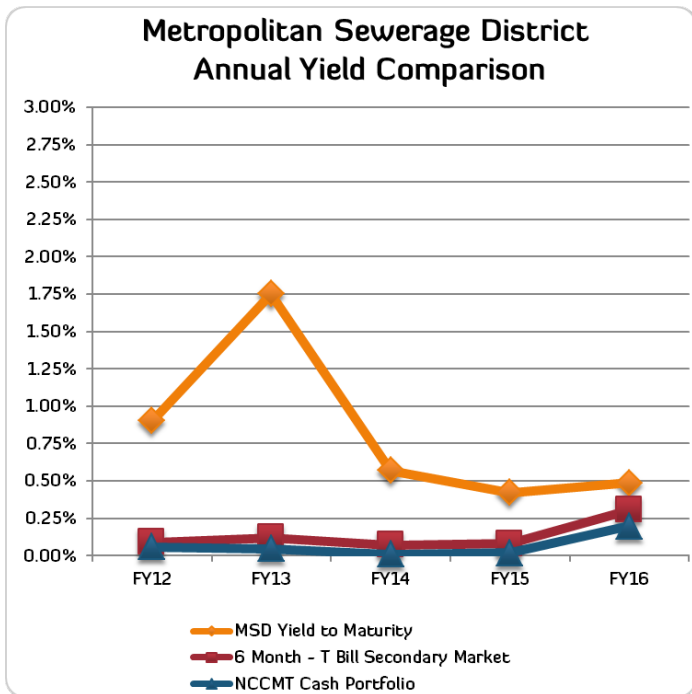


**METROPOLITAN SEWERAGE DISTRICT  
 INVESTMENT MANAGERS' REPORT  
 At May 31, 2016**

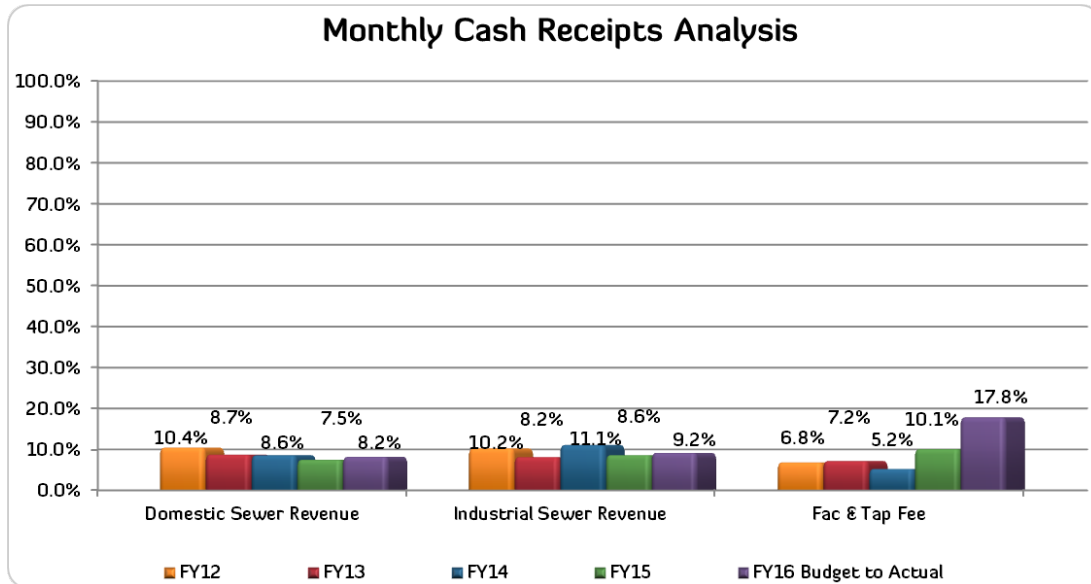
<u>Summary of Asset Transactions</u>			
	Original Cost	Market	Interest Receivable
Beginning Balance	\$ 43,067,423	\$ 43,081,321	\$ 21,268
Capital Contributed (Withdrawn)	(1,926,149)	(1,926,149)	
Realized Income	10,727	10,727	(6,096)
Unrealized/Accrued Income		(4,933)	8,074
Ending Balance	\$ 41,152,001	\$ 41,160,966	\$ 23,247

<u>Value and Income by Maturity</u>			
	Original Cost	Income	
Cash Equivalents <91 Days	\$ 25,154,124	\$ 4,751	
Securities/CD's 91 to 365 Days	8,498,377	\$ 1,605	
Securities/CD's > 1 Year	7,499,500	\$ 1,416	
	\$ 41,152,001	\$ 7,773	

<u>Month End Portfolio Information</u>	
Weighted Average Maturity	245
Yield to Maturity	0.54%
6 Month T-Bill Secondary Market	0.41%
NCCMT Cash Portfolio	0.37%

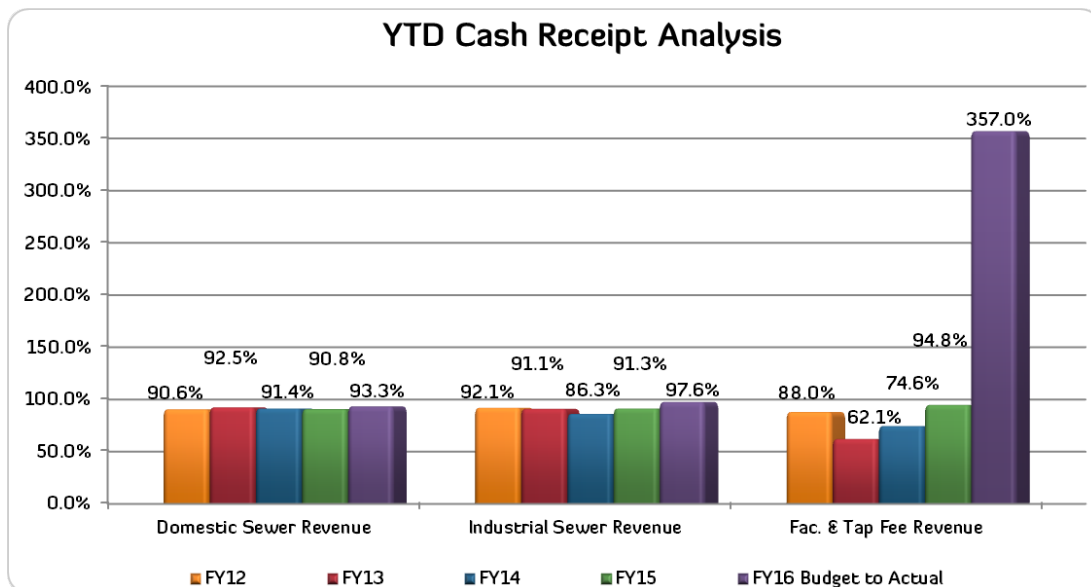


**METROPOLITAN SEWERAGE DISTRICT  
 ANALYSIS OF CASH RECEIPTS  
 As of May 31, 2016**



**Monthly Cash Receipts Analysis:**

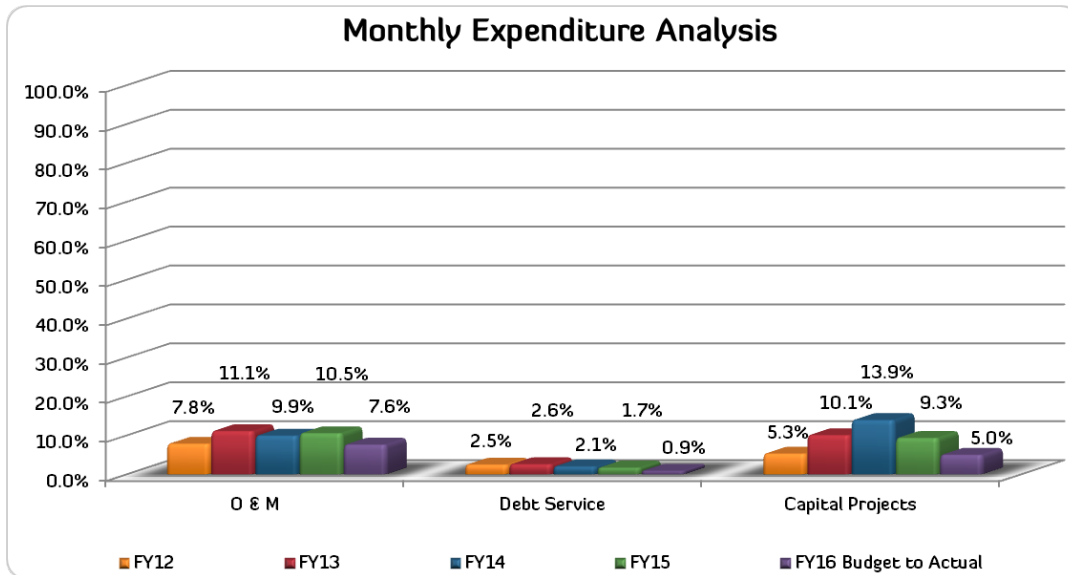
- Monthly domestic sewer revenue is considered reasonable based on timing of cash receipts in their respective fiscal periods.
- Monthly industrial sewer revenue is reasonable based on historical trends.
- Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap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



**YTD Actual Revenue Analysis:**

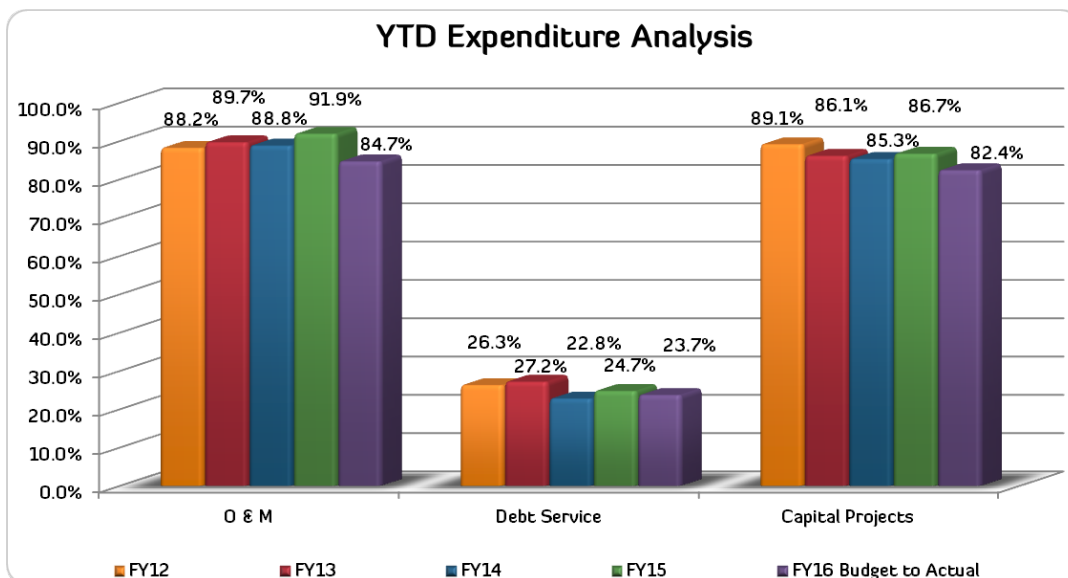
- YTD domestic sewer revenue is considered reasonable based on historical trends.
- YTD industrial sewer revenue is reasonable based on historical trends.
- Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap fee revenue reasonable.

**METROPOLITAN SEWERAGE DISTRICT  
ANALYSIS OF EXPENDITURES  
As of May 31, 2016**



**Monthly Expenditure Analysis:**

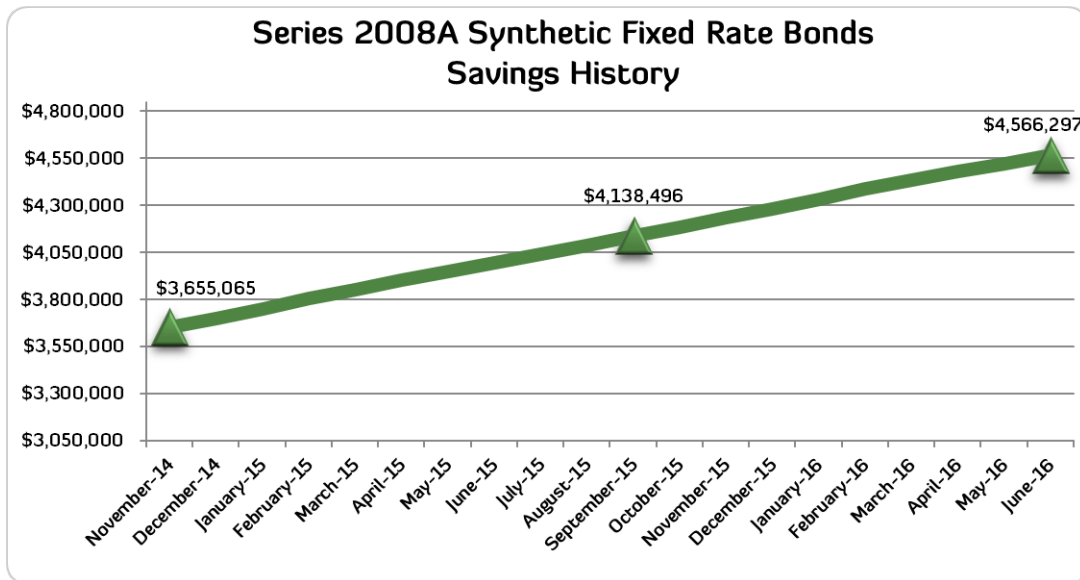
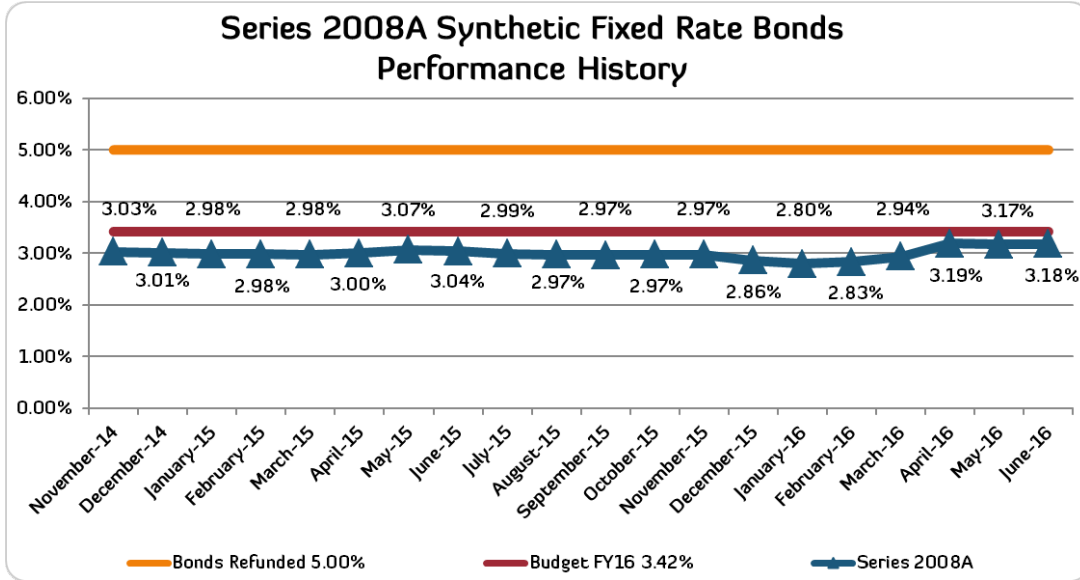
- Monthly O&M expenditures are considered reasonable based on historical trends and timing of expenditures in the current year.
- Due to the nature of the variable rate bond market, monthly expenditures can vary year to year. Based on current variable interest rates, monthly debt service expenditures 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 June 30, 2016**



**Series 2008A:**

- ▲ Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$4,566,297 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 \$5,745,720 to terminate the existing Bank of America Swap Agreement.

# **STATUS REPORTS**

**MSD System Services In-House Construction**  
FY 15-16 PROJECTS

PROJECT NAME	LOCATION	ZIP CODE	ESTIMATED FOOTAGE	ESTIMATED PROJECT DATES	WO#	CREW	COMPLETION DATE	ACTUAL FOOTAGE	NOTES
Deanwood Circle Phase 2	Asheville	28803	618	5/14/15 - 7/1/15	225521	631	7/1/2015	618	complete
590 Haywood Rd	W. Asheville	28806	178	7/16/2015	225966	631	7/16/2015	180	complete
Rathfarnham Circle	Arden	28803	520	7/5/15 - 8/1/15	212218	631	7/23/2015	522	complete
26 Claxton Place	Asheville	28801	121	7/29/2015	224709	631	7/29/2015	121	complete
418 Cedar Lane	Royal Pines	28704	815	7/8/15 - 8/7/15	220605	647	8/6/2015	862	complete
Locust Court Rehab	Royal Pines	28704	100	8/10/15-8/14/15	223590	647	8/17/2015	98	complete
Mount Claire Sewer Rehabilitation	Asheville	28803	656	8/3/15-8/21/15	216742	631	8/21/2015	664	complete
New Salem Road Rehabilitation	Swannanoa	28778	50	8/17/15-8/21/15	226294	647	8/18/2015	34	complete
4 Hawthorne Lane	Montford/Asheville	28801	178	8/24/15 - 9/2/15	226596	631	9/2/2015	178	complete
355 Lakeshore Drive	N. Asheville	28804	300	8/19/15 - 9/5/15	225006	647	9/4/2015	347	complete
Covington Street Improvements	W. Asheville	28806	295	9/8/15-9/11/15	200349	631	9/4/2015	197	complete
83 Grayclyn Rd	Asheville	28804	380	9/8/15-10/1/15	220546	647	9/24/2015	492	complete
Panola Street	Asheville	28801	360	9/14/15 - 10/16/15	225178	631	10/9/2015	308	complete
316 Westover Dr	Asheville	28801	775	10-19-15 - 11/1/15	228021	631	11/3/2015	890	complete
Robindale Ave	Asheville	28801	850	9/25/15 - 11/20/15	45887	647	11/25/2015	875	complete
220 Jonestown Road Emergency Rehab	Woodfin	28804	100	12/10/2015	229302	647	12/10/2015	100	complete
Winnfred Street	W. Asheville	28806	420	11/11/15 - 12/18/15	208324	631	12/18/2015	598	complete
Erwin Hills Road Sewer Extension	Leicester	28806	1000	12/21/15 - 2/22/16	229332	631	2/4/2016	1056	complete
Weaverville Pump Station #1 Improvements	Weaverville	28787	35	11/21/15 - 2/22/16	228575	647	2/4/2016	81	complete
Murdock at Edwin Place Sewer Improvements	Asheville	28801	94	1/25/16 - 2/10/16	229951	647	2/16/2016	97	complete
Hunt Hill Place Phase 1	Asheville	28813	600	2/8/16 - 3/22/16	46650	631	2/26/2016	590	complete
Evelake Drive (Area 1)	Leicester	28806	135	2/11/16 - 3/3/16	229959	647	3/4/2016	297	complete
Hunt Hill Place Phase 2	Asheville	28813	200	2/26/16 - 3/3/16	231242	631	3/8/2016	215	complete
404 E. State Street	Black Mountain	28711	130	3/4/16 - 3/15/16	231667	631	3/18/2016	130	complete
43 Evelake Drive	Leicester	28806	200	3/4/16 - 3/ 25/16	231370	647	3/16/2016	219	complete
Sareva Place	N. Asheville	28804	863	3/16/16 - 4/22/16	20330	631	4/15/2016	945	complete
114 Fenner	N. Asheville	28804	127	4/13/16 - 4/20/16	232280	614	4/20/2016	127	complete
Carjen Avenue	N. Asheville	28804	918	4/23/16 - 5/23/16	20331	631	4/27/2016	829	complete
Fair Oaks Rd at Green Road (P/N 2009133)	Arden	28704	2500	3/26/16 - 6/15/16	229966	647	6/28/2016	2839	complete
126 Appalachian Way	W. Asheville	28806	625	5/16/16 - 6/10/16	217609	631	6/10/2016	619	complete
Asheville County Club Phase 1	N. Asheville	28804	1665	6/11/16 - 7/15/16	225191	631			1,105 If installed and accepted through 6/28/16
Tanglewood Drive at Craggy Ave	W. Asheville	28803	141	6/28/16 - 7/22/16	233397	647			Construction beginning 7/5/16





## CONSTRUCTION TOTALS BY DATE COMPLETED - Monthly

From 7/1/2015 to 5/31/2016

	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 2015	31	7	87	489	32	12	0	91	1116	408	13	1,057	2672
August 2015	27	7	89	427	13	11	6,757	377	307	280	18	1,378	2342
September 2015	33	7	190	747	29	25	10	348	219	479	11	735	1781
October 2015	42	7	226	1,023	18	21	190	202	137	182	5	126	647
November 2015	28	8	145	505	18	14	440	0	442	1504	16	261	2207
December 2015	30	16	90	616	27	7	220	0	368	598	7	100	1066
January 2016	29	8	121	367	29	11	300	4	100	0	0	0	104
February 2016	35	14	185	628	22	14	805	219	625	265	13	503	1612
March 2016	37	23	420	862	28	23	1,251	0	8	646	7	215	869
April 2016	40	9	209	639	34	14	200	0	139	756	11	1,018	1913
May 2016	25	15	119	1,080	26	46	110	0	288	0	0	0	288
<b>Grand Totals</b>	<b>357</b>	<b>121</b>	<b>1,879</b>	<b>7,382</b>	<b>276</b>	<b>198</b>	<b>10,283</b>	<b>1,241</b>	<b>3749</b>	<b>5118</b>	<b>101</b>	<b>5,393</b>	<b>15501</b>

\* Used to calculate Total Rehab Footage



## PIPELINE MAINTENANCE TOTALS BY DATE COMPLETED - Monthly

July 01, 2015 to May 31, 2016

	Main Line Wash Footage	Service Line Wash Footage	Rod Line Footage	Cleaned Footage	CCTV Footage	Smoke Footage	SL-RAT Footage
<b>2015</b>							
July	98,340	1,112	3,630	101,970	35,280	18,250	7,999
August	65,325	1,906	7,190	72,515	24,728	0	13,969
September	79,795	1,645	9,498	89,293	32,353	4,579	17,664
October	38,126	2,363	4,810	42,936	31,243	14,600	21,241
November	42,038	1,966	6,174	48,212	29,033	0	17,487
December	48,491	1,945	8,240	56,731	19,205	1,500	15,016
<b>2016</b>							
January	53,754	1,554	7,559	61,313	18,118	3,663	3,800
February	57,342	2,460	9,279	66,621	25,427	1,936	12,807
March	54,004	2,950	11,610	65,614	28,973	8,587	26,752
April	65,853	1,600	11,018	76,871	28,639	201	12,380
May	47,637	2,323	7,532	55,169	29,304	4,775	11,279
<b>Grand Total:</b>	<b>650,705</b>	<b>21,824</b>	<b>86,540</b>	<b>737,245</b>	<b>302,304</b>	<b>58,091</b>	<b>160,394</b>
<b>Avg Per Month:</b>	<b>59,155</b>	<b>1,984</b>	<b>7,867</b>	<b>67,022</b>	<b>27,482</b>	<b>5,281</b>	<b>14,581</b>



## CUSTOMER SERVICE REQUESTS

### Monthly - All Crews

CREW	MONTH	JOBS	AVERAGE RESPONSE TIME	AVERAGE TIME SPENT
<b>DAY 1ST RESPONDER</b>				
	July, 2015	80	32	38
	August, 2015	110	31	45
	September, 2015	99	29	39
	October, 2015	98	32	52
	November, 2015	92	31	54
	December, 2015	146	34	44
	January, 2016	90	27	47
	February, 2016	144	28	46
	March, 2016	148	34	42
	April, 2016	119	28	44
	May, 2016	120	29	43
		<b>1,246</b>	<b>31</b>	<b>45</b>
<b>NIGHT 1ST RESPONDER</b>				
	July, 2015	14	19	25
	August, 2015	22	22	28
	September, 2015	23	21	29
	October, 2015	23	37	33
	November, 2015	27	29	33
	December, 2015	22	30	27
	January, 2016	24	23	23
	February, 2016	27	27	22
	March, 2016	24	23	21
	April, 2016	18	23	25
	May, 2016	20	26	26
		<b>244</b>	<b>26</b>	<b>27</b>
<b>ON-CALL CREW *</b>				
	July, 2015	28	39	46
	August, 2015	24	48	30
	September, 2015	30	45	51
	October, 2015	26	49	69

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



## CUSTOMER SERVICE REQUESTS Monthly - All Crews

CREW	MONTH	JOBS	AVERAGE RESPONSE TIME	AVERAGE TIME SPENT
<b>ON-CALL CREW *</b>				
	November, 2015	31	49	40
	December, 2015	72	57	51
	January, 2016	46	43	48
	February, 2016	49	46	43
	March, 2016	46	48	36
	April, 2016	40	42	48
	May, 2016	20	42	44
		<b>412</b>	<b>47</b>	<b>46</b>
<b>Grand Totals:</b>		<b>1,902</b>	<b>34</b>	<b>43</b>

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

## *Right of Way Section 4th Quarter Summary Open Projects*

<i>Project</i>	<i>Total ROW Budget</i>	<i>Total Expenditures to Date</i>	<i>Comment</i>
Asheville Country Club GSR	\$34,879	\$5,166	Access 25% complete with 15% of Total Budget expended to date.
Dingle Creek Interceptor (formerly Ph II)	\$64,657	\$48,004	Access 100% complete with 74% of Total Budget expended to date. One condemnation filed with judgment pending. Construction moved out from 7/09 to 7/25.
Dry Ridge Road 4" Main	\$22,904	\$2,882	Access 67% complete with 13% of Total Budget expended to date.
Hendersonville Rd. @ Rosscraggon Drive Phase 2	\$101,362	\$43,338	Access 24% complete with 43% of Total Budget expended to date.
Hilliard Avenue @ Aston Park GSR	\$35,754	\$25,471	Access 100% complete with 71% of Total Budget expended to date. One condemnation filed with judgment pending.
Stratford Road @ Oxford Court GSR	\$41,026	\$29,129	Project 100% complete with 71% of Total Budget expended and no condemnations.
Venable Pump Station Elimination GSR			Project 100% complete with no compensation. Temporary easement only.
West French Broad Interceptor Extension	\$179,993	\$179,993	Access 100% complete with 100% of Total Amended Budget expended to date. One condemnation filed with judgement pending. This was a developer driven, interceptor extension project; i.e. new encumbrances to the land where no sewer existed previously. An independent appraiser determined market values in the \$40,000 to \$65,000 per acre range could be reasonably expected, depending on any number of factors unique to a given parcel. We began negotiations using a mid-range of \$55,000 per acre. We acquired easements from the developer for \$0; and from three other parcels for \$33,000, \$67,500 and \$67,500 per acre. The fifth parcel, owned by the Asheville Firefighters Association, was appraised at \$54,000 per acre; however, the AFA would not agree to grant an easement. Trial is scheduled for October 2016.

**CAPITAL IMPROVEMENT PROGRAM**

**STATUS REPORT SUMMARY**

**July 13, 2016**

PROJECT	LOCATION OF PROJECT	CONTRACTOR	AWARD DATE	NOTICE TO PROCEED	ESTIMATED COMPLETION DATE	*CONTRACT AMOUNT	*COMPLETION STATUS (WORK)	COMMENTS
BYPASS PUMP STAGING AREAS	Woodfin 28804 and Asheville 28806	NHM Constructors, LLC	3/16/2016	4/11/2016	8/9/2016	\$307,455.72	55%	Work is progressing slowly, due to difficulties with other buried utilities.
DELLWOOD AVENUE	Swannanoa 28778	TBA	TBA	TBA	TBA	TBA	0%	Project was bid on June 30th. Terry Brothers Construction Company is the apparent low bidder. Project will be presented at the July Board meeting.
HENDERSONVILLE ROAD @ MILLS GAP ROAD	Asheville 28803	Terry Brothers	3/16/2016	4/13/2016	8/11/2016	\$716,988.00	80%	Work is progressing well. Preparing to line the 5 remaining pipe sections.
MTN. VIEW PUMP STATION GENERATOR SITE	Arden 28704	Haynes Electric Construction Company	6/15/2016	7/5/2016	8/19/2016	\$148,800.00	0%	Contractor is mobilizing to site. Work scheduled to begin the week of July 11th.
NEW SALEM ROAD	Swannanoa 28778	Terry Brothers	11/18/2015	1/12/2016	Substantial completion 4/7/16	\$500,197.00	100%	Project is complete and in close out.
SHADOWLAWN DRIVE PHASE 2	Asheville 28806	Davis Grading, Inc.	1/20/2016	3/14/2016	7/25/2016	\$439,065.50	95%	Project is complete except for paving.
VENABLE PUMP STATION ELIMINATION	Asheville 28806	Buckeye Bridge, LLC	4/20/2016	5/9/2016	7/30/2016	\$314,639.20	55%	Have experienced conflicts with other utilities. Mainline construction is expected to be complete within two weeks.
WRF - INCINERATOR SYSTEM REHABILITATION AND EMISSIONS UPGRADES	Woodfin 28804	Haren Construction Company	2/18/2015	3/25/2015	9/16/2016	\$5,091,740.23	99%	Final welding inspection and project close out in process.

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

## Planning & Development Project Status Report

### Active Construction Projects

July 20, 2016

#	Project Name	Project Number	Work Location	Zip Code	Units	LF	Pre-Construction Conference Date	Comments
1	Governor's Western Residence	2014100	Buncombe Co.	28804	Comm.	636	7/22/2015	Final Inspection complete, awaiting close-out docs
2	Greenwood Park Phase 1	2014067	Weaverville	28787	7	283	9/1/2015	Final Inspection complete, awaiting close-out docs
3	Rivermill Lofts Relocation	2014125	Asheville	28803	254	314	8/21/2015	Waiting on final inspection
4	Givens Gerber Park	2014065	Buncombe Co.	28803	260	357	8/7/2015	Waiting on final inspection
5	Hawthorne South (Turtle Creek)	2014130	Asheville	28803	250	400	8/7/2015	Waiting on final inspection
6	Ingles - Smokey Park Highway	2013135	Asheville	28806	Comm.	1,289	4/11/2014	Waiting on final inspection
7	Conestee	2014149	Asheville	28801	7	113	8/7/2015	Testing
8	Audubon Apts. Phase 2	2014027	Buncombe Co.	28704	86	16	5/27/2015	Punchlist Pending
9	Hunt Hill Apartments	2013111	Asheville	28801	180	1,729	3/5/2014	Waiting on final inspection
10	Rosebriar	2007005	Black Mountain	28711	12	309	8/28/2014	Waiting on final inspection
11	Dilworth Apartments	2015001	Asheville	28806	168	950	8/3/2015	Waiting on final inspection
12	Isaac Dickson School Relocation	2013033	Asheville	28801	School	504	1/13/2014	Waiting on final inspection
13	Gibson Road (aka Four Seasons)	2014138	Asheville	28804	3	137	9/11/2015	Final Inspection complete, awaiting close-out docs
14	Roberts Farm Phase 1B	2015056	Black Mountain	28711	250	1,165	7/29/2015	Waiting on final inspection
15	First Baptist Relocation	2015032	Asheville	28801	Comm.	333	7/21/2015	Final Inspection complete, awaiting close-out docs
16	Biltmore Lake Block "I"	2014128	Buncombe Co.	28715	19	1,676	3/31/2015	Punchlist Pending
17	Creekside Cottages	2014095	Buncombe Co.	28704	7	504	3/12/2015	Final Inspection complete, awaiting close-out docs
18	Greenwood Park Phase 1	2015204	Buncombe Co.	28804	158	2,830	6/16/2016	Pre-con held, ready for construction
19	Creekside Village Phase 2	2014088	Weaverville	28787	145	2,051	8/7/2015	Installing
20	Beale Road Subdivision (Habitat)	2015200	Asheville	28704	21	730	4/5/2016	Installing
21	Country Inn & Suites - Westgate	2014089	Asheville	28806	Comm.	204	1/22/2015	Final Inspection complete, awaiting close-out docs
22	Dillingham Woods	2014048	Asheville	28805	27	375	3/4/2015	Waiting on final inspection
23	Shelburne Road	2014126	Asheville	28806	9	418	4/5/2016	Pre-con held, ready for construction
24	Ramble Block "E"	2015030	Buncombe Co.	28803	22	1,357	7/29/2015	Final Inspection complete, awaiting close-out docs
25	Monticello Apartments	2015124	Weaverville	28787	168	1,484	6/14/2016	Pre-con held, ready for construction
26	Asheville Middle School	2013125	Asheville	28801	School	214	9/30/2014	Waiting on final inspection
27	Robinhood Relocation	2013107	Asheville	28804	5	230	7/23/2015	Final Inspection complete, awaiting close-out docs
28	Crest Mountain Phase 3B	2013041	Woodfin	28806	69	1,329	10/15/2013	Waiting on final inspection
29	Evolve Mountain View	2013105	Asheville	28803	148	347	10/21/2014	Final Inspection complete, awaiting close-out docs
30	Bojangles - Smokey Park	2014124	Buncombe Co.	28806	Comm.	382	8/18/2015	Final Inspection complete, awaiting close-out docs
31	Serenity Falls Subdivision	2015055	Woodfin	28804	45	2,583	9/18/2015	Testing
32	Amboy Overlook - Phase 1	2014136	Asheville	28806	19	899	10/20/2015	Final Inspection complete, awaiting close-out docs
33	Bowen Estates	2015064	Asheville	28803	4	178	10/13/2015	Waiting on final inspection
34	Craggy Park	2014164	Asheville	28806	45	1,935	10/23/2015	Installing
35	Pinnacle at Arabella Heights	2006277	Buncombe Co.	28704	28	482	11/10/2015	Testing
36	Settings at Black Mountain	2008016	Black Mountain	28711	30	907	11/13/2015	Testing
37	Cottages at Kenilworth	2015107	Asheville	28805	12	454	12/1/2015	Testing
38	A.B. Tech Fernhurst Relocation	2014061	Asheville	28801	Comm.	697	4/8/2014	Waiting on final inspection
39	Springside Road Townhomes	2015006	Asheville	28803	3	120	12/15/2015	Pre-con held, ready for construction
40	Vance Place	2014084	Asheville	28801	8	398	1/29/2016	Waiting on final inspection
41	The District	2015133	Asheville	28803	309	912	2/26/2016	Installing
42	Asheville Exchange	2015170	Asheville	28806	312	582	2/26/2016	Testing
43	200 Technology Drive	2015213	Buncombe Co.	28803	Comm.	809	2/26/2016	Final Inspection complete, awaiting close-out docs
44	Cheshire Pocket Village	2015129	Black Mountain	28711	15	370	2/26/2016	Waiting on final inspection
45	Hall Avenue	2015035	Asheville	28806	8	329	3/4/2016	Waiting on final inspection
46	Maple Trace Subdivision	2014121	Weaverville	28787	31	2,420	1/29/2016	Installing
47	McKinley Avenue (Habitat)	2015180	Asheville	28803	10	237	4/22/2016	Waiting on final inspection
48	Reese & Jan Lasher (High Hopes)	2015152	Woodfin	28806	14	320	4/26/2016	Waiting on final inspection
49	Fairfield Inn & Suites - Tunnel Road	2015203	Asheville	28805	Comm.	350	4/29/2016	Installing
50	500 Fairview Road Subdivision	2016049	Asheville	28803	10	220	5/6/2016	Waiting on final inspection
51	Ball Gap Road	2015186	Buncombe Co.	28704	14	947	5/31/2016	Pre-con held, ready for construction
52	Woodcrest at Biltmore Terrace Ph. 2	2015063	Buncombe Co.	28803	8	210	5/27/2016	Waiting on final inspection
53	Greymont Apartments	2015108	Buncombe Co.	28806	312	3,193	5/17/2016	Installing
54	Mallard Run Phase II	2015090	Buncombe Co.	28704	37	1,217	10/13/2015	Waiting on final inspection
<b>TOTAL</b>					3,549	43,435		