

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT  
NOVEMBER 18, 2015**

**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 November 18, 2015. Chairman VeHaun presided with the following members present: Ashley, Belcher, Bryson, Creighton, Frost, Kelly, Manheimer, Pelly, Root, Watts and Wisler.

Others present were: Thomas E. Hartye, General Manager, William Clarke, General Counsel, Joseph Martin with Woodfin Sanitary Water & Sewer District, Ed Bradford, Scott Powell, Jim Hemphill, Ken Stines, Mike Stamey, Sam Sirls, Peter Weed, Angel Banks, and Sondra Honeycutt.

**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 October 21, 2015 Board Meeting:**

Mr. VeHaun asked if there are any changes to the Minutes of the October 21, 2015 Board Meeting. Mr. Kelly moved for approval of the minutes as presented. Mr. Pelly seconded the motion. Voice vote in favor of the motion was unanimous.

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

None

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

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

**6. Report of General Manager:**

Mr. Hartye reported the NC Appellate Court denied a request for a rehearing from the City of Asheville. The next step is their appeal to the NC Supreme Court. He stated that Mr. Clarke is available to answer any questions.

Mr. Hartye reported that the AWWA/WEA Conference in Raleigh went very well for MSD, but because it ended late yesterday and, with all that is going on at the plant, he will recognize Ken Stines and other who received awards at the conference at the next regular Board Meeting.

Mr. Hartye reported that Angel Banks earned the Senior Right of Way Professional (SR/WA) designation from the International Right of Way Association (IRWA) which is the culmination of 192 credit hours and several exams. He stated that MSD is very lucky to have Angel on staff; being accomplished in the ROW field.

Mr. Hartye presented a letter from William S. Pfeiffer of Forest Road in Asheville commending MSD employees for their fine work.

Mr. Hartye reported that a call was received from Betsy Russell who lives at Panola Street. She thought the MSD crew working on the sewer line was awesome and did a wonderful job. Thanks to Randy Norton, Mike Rice, Tommie Brooks, Dale Dillingham, Carl Ellington and Johnny Mull.

Also, Mr. Wayne E. Tutt of 10 Center Street in Ridgecrest emailed to thank MSD for responding so promptly to his complaint of October 12<sup>th</sup> to repair a clean-out. Thanks

to James Beaver, Wayne Rice, Ricky Bates, Alan Knighton, Billy Cantrel, Marvin Felder, Eric Dawson and Jamie Foxx.

Mr. Hartye reported the next ROW meeting is scheduled for January 27, 2016 at 9 am. The next regular Board Meeting will be held December 16<sup>th</sup> at 2 pm.

Mr. Hartye reported that in response to a request at the October meeting by Mr. Wilham of the Oakley neighborhood asking for MSD's help in removing gravel and pipe left on an adjacent lot next to his home, the permit of Buckeye Bridge, LLC is closed out to the satisfaction of the City of Asheville. Also, a letter was received from CIP Construction, who owns the lot and MSD has put Mr. Wilham in contact with City Code Enforcement.

**7. Report of Committees:**

**Right of Way Committee:**

Mr. Kelly reported the Right of Way Committee met October 28, 2015 to consider a Compensation Budget for the Sweeten Creek Road @ Busbee View Lane GSR project, and Condemnations on the Sand Hill Road @ Russell/Davenport GSR project, which are a part of the Consolidated Motion Agenda. Also, the Committee heard an update by Mr. Clarke on pending trials for the Short Coxe at Southside and West French Broad Interceptor Extension projects.

**8. Consolidated Motion Agenda:**

**a. Consideration of Compensation Budget – Sweeten Creek Road @ Busbee View Lane GSR Project:**

Mr. Hartye reported this project consists of 1023 linear feet of 8" DIP to replace 4" and 6" VCP. The system is in poor condition and runs under a concrete loading dock and several houses. The Right of Way Committee recommends approval of the Compensation Budget.

**b. Consideration of Condemnations – Sand Hill Road @ Russell/Davenport GSR Project:**

Mr. Hartye reported the first parcel is improved with a single family residence. The existing sewer line is located at the rear of the residence and cannot be replaced in the same trench due to the close proximity of the sewer line to the house. The property owner was not satisfied with the compensation amount offered (\$2,523) and has made a counteroffer of \$42,523.

Mr. Hartye reported the second parcel is improved with a single family residence that is a rental. The existing sewer line cannot be replaced in the same trench on the adjacent property due to multiple conflicts with structures, utilities, etc. Despite follow-up certified letters, door hangers, and direct request to tenant to have the owner contact MSD, the owner is unwilling to discuss the project to date.

Mr. Hartye reported the Right of Way Committee recommends authority to obtain appraisal and proceed with condemnations.

**c. Consideration of Bids – Sanitary Sewer Rehabilitation Project – New Salem Road:**

Mr. Hartye reported the project is located in the Swannanoa area of Buncombe County. The existing line on New Salem Road has experienced a high number of

flooded structures, SSO's and manhole overflows. Most of these problems have been caused by root intrusion at the pipe joints. The existing 8-inch pipe is structurally sound and is adequate for all future flow, making it an ideal candidate for trenchless lining. Also, while developing this project, MSD added on another 667 LF of 15-inch clay line on Lyman Street near downtown Asheville as a part of the River Arts District Transportation Improvement Program. The contract is comprised of 2,940 LF of 8-inch and 15-inch lining, plus 830 LF of 8-inch DIP replacement where lining is not feasible. The contract was advertised and the following bids were received on October 29, 2015: N. American Pipeline Management Inc. with a total bid of \$798,167.00; Layne Inliner, LLC with a total bid of \$749,835.00, and Terry Brothers Construction Co., with a total bid of \$474,362.00. The FY15-16 Construction Budget for this project is \$388,000.00. Sufficient funds are available within the CIP contingency for the overage. Staff recommends award of this contract to Terry Brothers Construction Co. in the amount of \$474,362.00, subject to review and approval by District Counsel. Mr. Root asked why the bid of Terry Brothers Construction is so different than the other bids. Mr. Hartye stated that bids for dig and replace tend to be closer, but this is more of a specialty job. Mr. Bradford added that the other contractors were from out of town.

**d. Consideration of Developer Constructed Sewer Systems: Brookgreen at Crest Mountain Phase 1D (Kenai Drive) Sewer Extension, and Cotton Wood Townhomes Sewer Extension:**

Mr. Hartye reported the Brookgreen at Crest Mountain Phase 1D (Kenai Drive) is located inside the District boundary off Ben Lippen Road in Woodfin. The project included extending approximately 370 linear feet of 8-inch public gravity sewer to serve the three (3) unit residential development.

Mr. Hartye reported the Cotton Wood Townhomes Sewer Extension is located inside the District boundary off Rainbow Terrace in Black Mountain. The project included extending approximately 580 linear feet of 8-inch public gravity sewer to serve the eight (8) unit residential development.

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

**e. First Quarter Budget to Actual Review – FY2016:**

Mr. Powell reported page 26 is the District's First Quarter Budget to Actual Review and Expenditure Report. Domestic Revenue and Industrial User Fees are at budget expectations. Facility and Tap Fees are above budgeted expectations. This is due to receiving unanticipated revenue of \$982,500 from three developers. Interest and miscellaneous income are slightly below budgeted expectations. O&M expenditures are at 30.73% of budget. This includes encumbered amounts, which has elevated the budget to actual above 25% (Encumbrances \$674,000). Bond principal and interest expenditures are reflected at 25%. This will aid the user to properly assess debt service commitments on a budgetary perspective. Actual amount spent as of the end of the first quarter is 1.7%. This is due to the timing of the District's debt service payments. Amounts budgeted for capital equipment and capital projects are rarely expended proportionately throughout the year. The amount shown for the CIP line item at 55% includes an encumbrance of \$8 million which will be paid throughout the rest of the fiscal year.

**f. Cash Commitment/Investment Report – Month Ended September 30, 2015:**

Mr. Powell reported that page 29 presents the makeup of the District's Investment Portfolio. There has been no change in the makeup of the portfolio from the prior

month. Page 30 is the MSD Investment Manager report as of the month of September. The weighted average maturity of the investment portfolio is 282 days. The yield to maturity is 0.56% and is exceeding MSD bench marks of the 6 month T-Bill and NCCMT cash portfolio. Page 33 is the MSD Variable Debt Service report. The 2008 Series Bonds are performing better than budgeted expectations. As of the end of October both issues have saved the District customers over \$4.2 million dollars in debt service since April, 2008. Mr. Kelly asked when the Bank of America Swap Agreement terminates on its own. Mr. Powell stated it terminates at the end of the debt service of the 2008 bond issue in 2030.

Ms. Wisler moved the Board approve the Consolidated Motion Agenda as presented. Mr. Watts seconded the motion. Roll call vote was as follows: 12 Ayes; 0 Nays.

**09. Old Business:**

Mr. Hartye presented a video regarding flushable wipes that aired on WLOS News 13 with Ken Stines, Director of System Services Maintenance. Mr. Stines gave a demonstration on the breakdown of toilet tissue compared to facial tissue, paper towels and flushable wipes that clog up the sewer system causing SSO's at a substantial cost, not to mention what it does to the environment and to septic systems as well. Some of the flushable wipes are manufactured locally at Jacob Holm Industries in Candler. The spokesperson for Jacob Holm said they are in the process of developing a new flushable wipe that is truly flushable. Mr. Hartye reported that during an MSD inspection of the Jacob Holm facility, they demonstrated their own wave testing machine and that the new wipes broke apart a lot better. Mr. Belcher reported that he and Congressman Meadows toured the facility, which is up to 30% capacity. He stated that they plan to add 80 new jobs, and that the new flushable wipe is a true wipe that will break down.

**10. New Business:**

None

**11. Adjournment:**

With no further business, Mr. VeHaun called for adjournment at 2:21 pm.

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Jackie W. Bryson, Secretary/Treasurer

<h1 style="margin: 0;">MSD</h1> <h2 style="margin: 0;">Regular Board Meeting</h2>
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Metropolitan Sewerage District  
of Buncombe County, NC

### AGENDA FOR 11/18/15

✓	Agenda Item	Presenter	Time	
	Call to Order and Roll Call	VeHaun	2:00	
	01. Inquiry as to Conflict of Interest	VeHaun	2:05	
	02. <a href="#">Approval of Minutes of the October 21, 2015 Board Meeting.</a>	VeHaun	2:10	
	03. Discussion and Adjustment of Agenda.	VeHaun	2:15	
	04. Informal Discussion and Public Comment	VeHaun	2:20	
	05. <a href="#">Report of General Manager</a>	Hartye	2:25	
	06. Report of Committees: <a href="#">Right of Way Committee – Kelly – 10/28/2015</a>	VeHaun	2:40	
	07. Consolidated Motion Agenda		2:50	
	a. Consideration of Compensation Budget – <a href="#">Sweeten Creek Road @ Busbee View Lane GSR.</a>	Hartye		
	b. Consideration of Condemnations – <a href="#">Sand Hill Road @ Russell/Davenport GSR.</a>	Hartye		
	c. Consideration of Bids – <a href="#">Sanitary Sewer Rehabilitation Project: New Salem Road</a>	Hartye		
	d. Consideration of Developer Constructed Sewer Systems; <a href="#">Brookgreen at Crest Mountain Phase 1D (Kenai Drive) Sewer Extension</a> , and <a href="#">Cotton Wood Townhomes Sewer Extension.</a>	Hartye		
	e. <a href="#">First Quarter Budget to Actual Review – FY2016</a>	Powell		
	f. <a href="#">Cash Commitment/Investment Report – Month Ended September 30, 2015.</a>	Powell		
	08. Old Business:	VeHaun	3:05	
	09. New Business:	VeHaun	3:10	
	10. Adjournment: (Next Meeting 12/16/15)	VeHaun	3:15	
	<a href="#">STATUS REPORTS</a>			

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT  
OCTOBER 21, 2015**

**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, October 21, 2015. Chairman VeHaun presided with the following members present: Belcher, Bryson, Frost, Kelly, Manheimer, Pelly, Root, Watts and Wisler. Mr. Ashley and Mr. Creighton were absent.

Others present were Thomas E. Hartye, General Manager, William Clarke, General Counsel, Forrest Westall with McGill Associates, PA, Marcus Jones, Henderson County, Dustin Wilharm, City Resident, Ed Bradford, Scott Powell, Peter Weed, Jim Hemphill, Ken Stines, Mike Stamey, Matthew Walter, Hunter Carson, and Sondra Honeycutt.

**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 September 16, 2015 Board Meeting:**

Mr. VeHaun asked if there any changes to the Minutes of the September 16, 2015 Board Meeting. Ms. Frost moved for approval of the minutes as presented. Mr. Watts seconded the motion. Voice vote in favor of the motion was unanimous.

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

None

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

Mr. VeHaun welcomed Mr. Wilharm. Mr. VeHaun called for public comment.

Mr. Wilharm stated he is a resident of the Oakley neighborhood in Asheville. He reported about a year ago a \$1.2 million dollar sewer line repair project (Broadview) was awarded to Buckeye Bridge LLC, which is about one-half mile from his home. A vacant residential lot next door to his home was used to dump thousands of pounds of gravel and pipe. Although the project is complete, there is a lot of material and trash left on the site. He spoke with Mike Schraven, Senior Inspector with MSD, and said he was very polite and accommodating, but nothing has been done to date, therefore, Mr. Wilharm is asking the Board for help in resolving this issue. Mr. Hartye stated Mike Schraven made him aware of the situation, and the project involved heavy equipment and materials that needed to be close by.

He stated that Mike Schraven worked with the contractor to move most of the operation to separate areas. He further stated that Buckeye Bridge has a permit with the City of Asheville to stage its material. He presented slides showing what is left on the site. Mr. Hartye reported that MSD has informed Buckeye Bridge that it must remove the material by this Friday. In addition, the City was contacted to do a final inspection on Monday and to revoke Buckeye's permit.

**6. Report of General Manager:**

Mr. Hartye called on Mr. Clarke for a report on the water system litigation. Mr. Clarke reported that the North Carolina Court of Appeals reversed the trial court ruling that previously decided House Bill 488 was unconstitutional. The City of Asheville has indicated it will appeal the decision of the Court of Appeals to the North Carolina Supreme Court. He further reported that the City of Asheville's lawyers have asked that MSD not oppose the City's request to stay the transfer of the water system to MSD pending appeal. Mr. Clarke recommends MSD agree to this request. Mr. Root asked if the issue in the water lawsuit about the City's revenue bonds for the water system would still have to be litigated after the Supreme Court decision. Mr. Clarke stated that the Court of Appeals opinion was issued on October 6, 2015. The mandate from the Court of Appeals to the trial court will be issued on October 26, 2015. The City then has fifteen days to petition for rehearing or pursue an appeal to the Supreme Court. In its opinion, the Court of Appeals said that, because the issue about the bonds was not addressed by the trial court and not preserved on appeal, the issue has been abandoned. Mr. Clarke expects the City will appeal that ruling by the Court of Appeals as well. With no further discussion, it was the consensus of the Board that MSD not oppose the City's request for a stay of the transfer of the water system assets pending resolution of any appeal.

Mr. Hartye expressed appreciation to Owen Herbert for heading up the United Way Golf Tournament, and to Kaleena Anderson and Sheila Kilby for gaining sponsorships. The tourney was a great success and raised over \$7,000 (net of expenses) for United Way for the outing in which 61 people participated at the Grove Park.

Mr. Hartye reported a call was received from Terry Rice of Louisa Street to commend all of the workers that took care of his problem and said they did a fantastic job, were wonderful, and exceptional. Thanks to McKinley Hensley, Billy Cantrell, Mitch Metcalf, Grayson Hensley, Scott Graham, Pete Cole and James Beaver.

Mr. Hartye reported it has been a busy week at the Treatment Plant with removal of the Heat Exchanger. As a result, the solids processing end of the plant is shut down requiring sludge to be hauled to the Buncombe County Landfill. MSD has an agreement to take landfill leachate in return for the landfill taking MSD's sludge. Mr. Hartye presented slides showing

removal of the Heat Exchanger; burnt solids from the existing Exchanger, and the new Heat Exchanger. He stated MSD has a good contractor, and the project is going well.

Mr. Hartye reported the next ROW Committee meeting is scheduled for October 28<sup>th</sup> at 9 am. The next regular Board Meeting will be held November 18<sup>th</sup> at 2 pm.

**7. Consolidated Motion Agenda:**

**a. Consideration of Bids for Sanitary Sewer Rehabilitation Project – South French Broad Interceptor Grouting:**

Mr. Hartye reported this project is located along the French Broad River within the Biltmore Estate. Although the 36-inch concrete interceptor is in good structural condition, the joints have deteriorated over time. This has caused sinkholes in some areas, and allows for excessive infiltration when water levels are high. The work includes pressure testing each joint, and rehabilitating those which do not pass the pressure test. For each joint requiring rehabilitation, grout is pressure-injected and allowed to cure, thus sealing the joint from within the pipe. He presented an illustration showing how the grout is injected. He further reported the project is divided into two phases, over two budget years. The first phase is 12,000 LF, and the second phase is 10,000 LF. The contract was advertised and two bids were received on October 1, 2015. Since the required number of bids were not received, the contract was re-advertised and the following two bids were received on October 8, 2015: Bio-Nomic Services, Inc. with a total bid of \$547,998.00, and Lake County Sewer Co., Inc. with a total bid of \$503,599.00. Although the low bidder, Lake County Sewer, has not completed any previous projects for MSD, all references had positive comments regarding this company. The FY 15-16 construction budget for this project is \$567,000.00. Staff recommends award of this contract to Lake County Sewer Company, Inc. in the amount of \$503,599.00 subject to review and approval by District Counsel.

Mr. Watts asked if it is possible to bid the second phase while the contractor is still on site. Mr. Hartye stated it's a timing issue with the Estate in that the contractor needs to be in and out during their off season, which is the winter. Therefore, Phase 2 will be contracted between January and April the following year.

**b. Consideration of Developer Constructed Sewer Systems: Biltmore Terrace Phase 2 Sewer Extension; Bridle Path Sewer Extension; Chapel Park Sewer Extension; Echo Hill Sewer Extension, and Mallard Run Sewer Extension:**

Mr. Hartye reported the Biltmore Terrace Phase 2 sewer extension project is located inside the District boundary off Lamar Avenue in

Buncombe County. The project included extending approximately 656 linear feet of 8-inch public gravity sewer to serve the seventeen (17) unit residential development.

Mr. Hartye reported the Bridle Path sewer extension project is located inside the District boundary off Lookout Road in the City of Asheville. The project included extending approximately 129 linear feet of 8-inch public gravity sewer to serve the six (6) unit residential development.

Mr. Hartye reported the Chapel Park sewer extension project is located inside the District boundary. The project included extending approximately 247 linear feet of 8-inch public gravity sewer to serve the eight (8) unit residential development.

Mr. Hartye reported the Echo Hills Cottages sewer extension project is located inside the District boundary off Debra Lane in the City of Asheville. The project included extending approximately 530 linear feet of 8-inch public gravity sewer to serve the eleven (11) unit residential development.

Mr. Hartye reported the Mallard Run sewer extension project is located inside the District boundary off Glenn Bridge Road in Buncombe County. The project included extending approximately 1,806 linear feet of 8-inch public gravity sewer to serve the seventy-two (72) unit residential development.

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

**c. Consideration of Cash Commitment/Investment Report – Month Ended August 31, 2015:**

Mr. Powell reported Page 25 presents the makeup of the District's Investment Portfolio. There has not been a significant change in the makeup of the portfolio from the prior month. Page 26 is the MSD Investment Manager report as of the month of August. The weighted average maturity of the investment portfolio is 298 days. The yield to maturity is 0.53% and is exceeding MSD bench marks of the 6-month T-Bill and NCCMT cash portfolio. Page 27 is an analysis of the District's Cash Receipts. Monthly and YTD domestic and industrial sewer revenue is considered reasonable based on timing of cash receipts and historical trends. Facility and Tap Fees are considered reasonable taking into account the unpredictability of cash receipts. Page 28 is an analysis of the District's Expenditures. Monthly and YTD expenditures are considered reasonable based on historical trends for operation maintenance, debt service, and capital projects. Page 29 is the MSD Variable Debt Service report. Both the 2008A Series are performing better than budgeted expectations. As of the end of September, both

issues have saved District customers approximately \$4.1 million dollars in debt service since April 2008.

Mr. Watts moved the Board approve the Consolidated Motion Agenda as presented. Mr. Root seconded the motion. Roll call vote was as follows: 10 Ayes; 0 Nays.

**8. Old Business:**

None

**9. New Business:**

None

**10. Adjournment:**

With no further business, Mr. VeHaun called for adjournment at 2:27 pm.

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Jackie W. Bryson, Secretary/ Treasurer



## MEMORANDUM

TO: MSD Board  
FROM: Thomas E. Hartye, P.E., General Manager  
DATE: November 12, 2015  
SUBJECT: Report from the General Manager

- HB488

The NC Appellate Court denied a request for rehearing from the City of Asheville. Next step is their appeal to the NC Supreme Court. Billy Clarke will answer any questions that you may have.

- Kudos

- Ken Stines is being awarded the Raymond “Red” Ebert Award from the NCAWWA/WEA at the annual conference this year. This award recognizes Ken’s efforts in leadership, technical innovation, improvements to the collection system, and his involvement in helping to train others that are entering the profession.
- Angel Banks earned the Senior Right of Way Professional (SR/WA) designation from the International Right of Way Association (IRWA) which is the culmination of 192 hours credit hours and several exams.
- Attached is a letter from William S. Pfeifer of Forest Rd in Asheville commending MSD employees for their fine work.
- Received a call from Betsy Russell lives of Panola St. She thought that the MSD crew working on the sewer line was awesome and did a wonderful job. They were very helpful about getting cars moved and in and out. They had a dirty job to do, but just got in there and did what they had to do with a wonderful attitude. She just wanted someone to know that MSD should be proud to have wonderful employees. Thanks to Randy Norton, Mike Rice, Tommie Brooks, Dale Dillingham, Carl Ellington and Johnny Mull.
- Mr. Wayne E Tutt of 140 Center St, Ridgecrest emailed to thank MSD for responding so promptly to my complaint of October 12<sup>th</sup> to repair a clean-out. “I worked for the municipal government of Jacksonville, Florida for 40 years, and I understand the demands often made on employees responding to citizen complaints. Well done.” Thanks to James Beaver, Wayne Rice, Ricky Bates, Alan Knighten, Billy Cantrel, Marvin Felder, Eric Dawson and Jamie Foxx.

- Board/Committee Meetings/Events

The next ROW is scheduled for January 27, 2016 at 9am. The Next Regular Board Meeting will be held December 16th at 2 pm.

Dear Ms. Tolley:

I'm writing to praise a group of MSD employees who responded last week to a sewage leak, which had spilled into a stream and pond on my Biltmore Forest property. I asked the MSD supervisor, Jason Capizzi, to provide the name of a person to whom I could send my compliments, and he gave me your email address and phone number. I'll use email for this message. But if you would like further details on the excellent work of your employees, please feel free to call me.

I should add that I also received great help and responsiveness from three employees of the NC Department of Environment and Natural Resources. All three visited our property at some point. I am sending copies of this message to their email addresses as well, and I have spoken to two of them on the phone. In fact, I suspect the coordination between DENR and MSD contributed to the quick resolution of our situation.

In brief, a sanitary sewer line that spans our 2+acre property became clogged, developed a leak, and sent sewage into Ram Branch. Ram is a stream that feeds our pond and then flows through Biltmore Forest into the Biltmore Estate and finally, I believe, into the Swannanoa River. Jason Capizzi and his colleagues showed up quickly and proceeded to do the following main steps: correctly diagnosed the problem, unplugged the sewer, drained our pond, temporarily relocated our Koi and some other fish, washed down the stream and pond, refilled the pond, and relocated the fish. All the while I was kept very well informed about the stages of the process. Today I received a voicemail that the last stage will occur tomorrow, when a resin patch is applied to the sewer pipe. Last week I was also told that MSD will re-position the drains where my three home sewer lines connect with the main line, since the drains are not level.

Following is the list of MSD employees that Jason told me were involved in the project: Jason Capizzi, Jason Norton, Rick Bates, Shaun Buckner, Shaun Meadows, John Gosnell, James Gosnell, Rick Bradley, Mitch Hawes, Chris Johnson, Greg Patton, and Pete Cole. (There may be additional MSD employees who finish the two remaining parts of the project.) I would appreciate it if you would convey my appreciation to all of them.

In summary, my wife and I were quite pleased with every part of this project: namely, the quick action by MSD, the technical proficiency of your employees, the concern that they showed for us and our property, and especially their interest in keeping us well informed. Plus I received excellent follow up.

When a project gets done well, I believe people should be recognized. For that reason, I am writing.

Sincerely,

William S. (Sandy) Pfeiffer

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William S. Pfeiffer, Ph.D.  
16 Forest Road  
Asheville, NC 28803-2908

**RIGHT OF WAY  
COMMITTEE RECOMMENDATIONS  
AND MINUTES  
October 28, 2015**

**I. Call To Order**

The regular monthly meeting of the Right of Way Committee was held in the Boardroom of the William H. Mull Building and called to order at 9:01 a.m. on Wednesday, October 28, 2015. The following Right of Way Committee members were present: Glenn Kelly, Matt Ashley Jr., Jackie Bryson, Ellen Frost, Esther Manheimer and Robert Watts.

Others present were: Billy Clarke, MSD Counsel; Jerry VeHaun, Chairman of the Board; Al Root, Board Members; Ed Bradford, Angel Banks, Darin Prosser, Wesley Banner and Pam Nolan, M.S.D.

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

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

**III. Consideration of Compensation Budget–Sweeten Creek Road @ Busbee View Lane GSR, Project No. 2011095**

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

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

Ms. Banks explained that this project consists of 1023 linear feet of 8” DIP to replace 4” and 6” VCP. The system is in poor condition and runs under a concrete loading dock and several houses. There was no discussion. Mr. Kelly made the motion to accept Staff’s recommendation. Mr. Watts seconded the motion. Voice vote was unanimous.

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

**IV. Consideration of Condemnations–Sand Hill Road @ Russell/Davenport GSR, Project No. 2011093**

**Pin Number 9638-03-0924** - Subject property is improved with a single family residence. The existing sewer line is located at the rear of the residence and cannot be replaced in the same trench due to the close proximity of the sewer line to the house. There is a small creek that divides this property in half, and the proposed sewer line is being shifted to the opposite side of the creek. The owner believes this property can be subdivided into two lots, and that the proposed sewer easement will render the lot across the creek unbuildable; however, he has no substantiation of possible subdivision. The property owner was not satisfied with the compensation amount that is being offered \$2,523, and has made a counteroffer of \$42,523.

Total Contacts: 8

**Pin Number 9638-03-0772-** Subject property is improved with a single family residence that is a rental. The existing sewer line cannot be replaced in the same trench on the adjacent property due to multiple conflicts with structures, utilities, etc., therefore the proposed sewer line is being shifted onto the rear portion of the subject property. Project introduction letter was sent

08/07/15. Despite follow up certified letters, door hangers, and direct request to tenant to have owner contact us, the owner is unwilling to discuss the project to date. He does have all of the project information but cites he is too busy to discuss.

Since the property owner has been non-responsive it is unclear if he has any issues concerning the project, or if he is satisfied with the compensation that is being offered (\$3,236).

Total Contacts: 9

**STAFF RECOMMENDATION: Authority to obtain appraisals and proceed with condemnations.**

Ms. Banks explained the above condemnations. Regarding the first parcel, Mr. Watts asked if it was possible to pipe burst. Ms. Banks stated that the engineer has looked at pipe bursting. This might have been possible but there is a manhole to be set and replaced on that side and given the close proximity to the house foundation and the creek on the other side, there is not enough room to dig and replace the manhole. There was no further discussion. Mr. Kelly made the motion to accept Staff's recommendation. Mr. Watts seconded the motion. Voice vote was unanimous.

**COMMITTEE RECOMMENDATION: Authority to obtain appraisals and proceed with condemnations.**

**V. Quarterly Report – First Quarter Summary**

Attached you will find a Project Status Summary for all active acquisition projects. This report provides information on percentage of easements complete, percentage of compensation expended and comments on condemnations. This information is provided for your review.

**STAFF RECOMMENDATION: For information only. No action required.**

**VI. Other business:**

Ms. Manheimer stated that Mr. Pelly was unable to attend due to his mother passing away.

Ms. Banks asked Mr. Clarke to give an update on pending trials for the Short Coxe at Southside Project and the West French Broad Interceptor Extension Project. Mr. Clarke stated for the record that the opposing counsel for both trials is with Ms. Manheimer's law firm. Mr. Clarke stated that it has been difficult to get both scheduled. He has a Motion for Peremptory Setting pending for the Short Coxe @ Southside trial. He will be filing a similar motion for the West French Broad Interceptor trial. There was some further discussion regarding the use of the property on the West French Broad Interceptor Project. Mr. Clarke stated that MSD had deposited about \$50,000 for the West French Broad condemnation and the project has been completed. He also stated that the Short Coxe @ Southside project has been complete since October, 2013.

There being no further business the meeting adjourned at 9:09 am.

# Metropolitan Sewerage District of Buncombe County

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

COMMITTEE MEETING DATE: 10/28/2015      BOARD MEETING DATE: 11/18/2015

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

**SUBJECT: Consideration of Compensation Budget –**

Sweeten Creek Road @ Busbee View Lane GSR, Project No. 2011095

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

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

Ms. Banks explained that this project consists of 1023 linear feet of 8” DIP to replace 4” and 6” VCP. The system is in poor condition and runs under a concrete loading dock and several houses. There was no discussion. Mr. Kelly made the motion to accept Staff’s recommendation. Mr. Watts seconded the motion. Voice vote was unanimous.

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

<b>COMMITTEE ACTION TAKEN</b>	
Motion by: Glenn Kelly	To: XX Approve <input type="checkbox"/> Disapprove
Second by: Robert C. Watts	<input type="checkbox"/> Table <input type="checkbox"/> Send back to Staff
	<input type="checkbox"/> Other
<b>BOARD ACTION TAKEN</b>	
Motion by:	To: <input type="checkbox"/> Approve <input type="checkbox"/> Disapprove
Second by:	<input type="checkbox"/> Table <input type="checkbox"/> Send back to Staff

# Sweeten Creek Road @ Busbee View Lane GSR

Project Number: 2011095

## Compensation Budget

19-Oct-15

Pin Number and Name		Acres	Parcel SF	Land Value	LV/SF	Net PE SF	PE Assd. Value	50% PE Assd. Value	TCE SF	TCE Assd. Value	10% Annl Return	Proj Time	TCE Rent Value	Total Comp. (Rounded)		
27 Pin	83 Pin															
	9657302827	Ciaramita	Danica	0.26	11,325.60	\$27,900.00	\$2.46	1,804.58	\$4,439.27	\$2,219.63	1,743.02	\$4,287.83	\$428.78	3	\$107.20	\$2,327
	9657301778	Kim	Steve	5.15	224,334.00	\$317,500.00	\$1.42	8,018.04	\$11,385.62	\$5,692.81	11,876.69	\$16,864.90	\$1,686.49	3	\$421.62	\$6,114
	9657302737	Montelongo	Jerri	0.23	10,018.80	\$27,400.00	\$2.73	1,243.73	\$3,395.38	\$1,697.69	2,280.66	\$6,226.20	\$622.62	3	\$155.66	\$1,853
	9657303739	Wingate	Christopher	0.30	13,068.00	\$28,400.00	\$2.17	1,075.27	\$2,333.34	\$1,166.67	1,811.66	\$3,931.30	\$393.13	3	\$98.28	\$1,265
<b>TOTALS:</b>														\$11,560		
<b>Staff Contingency:</b>														\$5,000		
<b>GM's Contingency</b>														\$5,000		
<b>Amendment</b>																
<b>Total Budget:</b>														\$21,560		

# Metropolitan Sewerage District of Buncombe County

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

COMMITTEE MEETING DATE: 10/28/2015

BOARD MEETING DATE: 11/18/2015

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

**SUBJECT: Consideration of Condemnations–Sand Hill Road @ Russell/Davenport GSR,  
Project No. 2011093**

**Pin Number 9638-03-0924** - Subject property is improved with a single family residence. The existing sewer line is located at the rear of the residence and cannot be replaced in the same trench due to the close proximity of the sewer line to the house. There is a small creek that divides this property in half, and the proposed sewer line is being shifted to the opposite side of the creek. The owner believes this property can be subdivided into two lots, and that the proposed sewer easement will render the lot across the creek unbuildable; however, he has no substantiation of possible subdivision. The property owner was not satisfied with the compensation amount that is being offered \$2,523, and has made a counteroffer of \$42,523.

Total Contacts: 8

**Pin Number 9638-03-0772-** Subject property is improved with a single family residence that is a rental. The existing sewer line cannot be replaced in the same trench on the adjacent property due to multiple conflicts with structures, utilities, etc., therefore the proposed sewer line is being shifted onto the rear portion of the subject property. Project introduction letter was sent 08/07/15. Despite follow up certified letters, door hangers, and direct request to tenant to have owner contact us, the owner is unwilling to discuss the project to date. He does have all of the project information but cites he is too busy to discuss.

Since the property owner has been non-responsive it is unclear if he has any issues concerning the project, or if he is satisfied with the compensation that is being offered (\$3,236).

Total Contacts: 9

### **STAFF RECOMMENDATION: Authority to obtain appraisal and proceed with condemnations.**

Ms. Banks explained the above condemnations. Regarding the first parcel, Mr. Watts asked if it was possible to pipe burst. Ms. Banks stated that the engineer has looked at pipe bursting. This might have been possible but there is a manhole to be set and replaced on that side and given the close proximity to the house foundation and the creek on the other side, there is not enough room to dig and replace the manhole. There was no further discussion. Mr. Kelly made the motion to accept Staff's recommendation. Mr. Watts seconded the motion. Voice vote was unanimous.

**COMMITTEE RECOMMENDATION: Authority to obtain appraisal and proceed with condemnations.**

<b>COMMITTEE ACTION TAKEN</b>	
Motion by: Glenn Kelly	To: XX Approve <input type="checkbox"/> Disapprove
Second by: Robert C. Watts	<input type="checkbox"/> Table <input type="checkbox"/> Send back to Staff
	<input type="checkbox"/> Other
<b>BOARD ACTION TAKEN</b>	
Motion by:	To: <input type="checkbox"/> Approve <input type="checkbox"/> Disapprove
Second by:	<input type="checkbox"/> Table <input type="checkbox"/> Send back to Staff

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

**BOARD MEETING DATE:** November 18, 2015

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

**PREPARED BY:** Ed Bradford, P.E. - Director of Engineering  
Hunter Carson, P.E. - Project Manager

**SUBJECT:** New Salem Road Sanitary Sewer Replacement Project: Consideration of Bids, MSD Project No. 2012131

**BACKGROUND:** This project is located in the Swannanoa Area of Buncombe County. The existing line on New Salem Road has experienced a high number of flooded structures, SSO's, and manhole overflows. Most of these problems have been caused by root intrusion at the pipe joints.

The existing 8-inch pipe is structurally sound and is adequate for all future flow, making it an ideal candidate for trenchless lining.

This project also includes lining 667 LF of 15-inch clay line on Lyman Street near downtown Asheville, as a part of the River Arts District Transportation Improvement Program. The particular 15-inch line within the City's project limits is fractured but generally structurally sound, and lining this segment will restore the structural integrity of the pipe. This work adds approximately \$85,000 to the project.

The contract is comprised of 2,940 LF of 8-inch and 15-inch lining, plus 830 LF of 8-inch DIP replacement, where lining is not feasible.

The contract was advertised and three informal bids were received on October 29, 2015 as follows:

<u>Contractor</u>	<u>Bid Amount</u>
1) N. American Pipeline Mgt., Inc.	\$798,167.00
2) Layne Inliner, LLC	\$749,835.00
3) <b>Terry Brothers Const. Co.</b>	<b>\$474,362.00</b>

The apparent low bidder is Terry Brothers Construction Co. with a bid amount of \$474,362.00. Terry Brothers has completed numerous MSD sewer projects, and their work quality has remained excellent to date.

Please refer to the attached documentation for further details.

**FISCAL IMPACT:** The FY15-16 Construction Budget for this project is \$388,000.00.  
Sufficient funds are available within the CIP Contingency for the overage.

**STAFF RECOMMENDATION:** Staff recommends award of this contract to Terry Brothers Construction Co. in the amount of \$474,362.00, subject to review and approval by District Counsel.

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

**NEW SALEM ROAD SEWER REPLACEMENT  
PROJECT NO. 2012131**

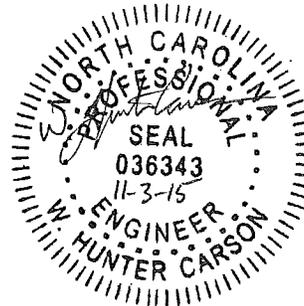
**BID TABULATION  
October 29, 2015**

<b>BIDDER</b>	<b>MBE Form</b>	<b>Bid Forms (Proposal)</b>	<b>Total Base Bid Amount</b>
North American Pipeline Management, Inc. Greenville, SC	1	Yes	\$798,167.00
Layne Inliner, LLC Gastonia, NC	1	Yes	(*) \$749,835.00
<b>Terry Brothers Construction Company Leicester, NC</b>	1	Yes	<b>\$474,362.00</b>

**APPARENT LOW BIDDER**

(\*) Indicates correction in Contractor's bid amount.

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



This is to certify that the bids tabulated herein were publicly opened and read aloud at 2:00 p.m. on the 29th day of October, 2015, 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  
Hunter Carson, Project Manager

**DATE:** November 4, 2015

**RE:** New Salem Road Sewer Rehabilitation, MSD Project No. 2012131

The New Salem Road Sewer Rehabilitation project is located in Swannanoa on New Salem Road, off of US 70 Hwy. The upper end of the project shares a manhole with the Melody Circle Sewer Replacement project, awarded in July and currently in construction. The New Salem Road project also includes sewer rehabilitation on Lyman Street in Asheville, adjacent to 12 Bones Restaurant in the River Arts District. This section of line was recently added to the project after the development of the City of Asheville's River Arts District Transportation Improvement Project (RADTIP). Rehabilitating the sewer on Lyman Street now is intended to save future paving costs.

This project consists of rehabilitation of existing 8" and 15" VCP sewer lines using cured-in-place-pipe (CIPP) liner, and traditional dig and replace. Approximately 2,273 LF of 8" lining and 830 LF of 8" DIP will be installed on New Salem Road to repair and replace 8" VCP. The existing line on New Salem Road has a very high pipe rating of 82 due to a high number of CSRs, flooded structures, SSOs, and manhole overflows. Overflows and flooded structures on this line have been caused by root intrusion at the pipe joints. Generally, the existing 8" pipe is in good condition structurally and is adequate for all future flow, making it an ideal candidate for CIPP lining.

The work on Lyman Street consists of 667 LF of 15" lining. The pipe sections to be rehabilitated have not presented significant problems, but have multiple fractures that should be addressed prior to RADTIP. If left alone, construction activities may worsen the structural condition of the VCP pipe.

On October 29, 2015, three (3) sealed bids were received at 2:00 pm. An alternate bid item was solicited for installing service connections via trenchless technology. Due to confusion regarding the bid form, the alternate item was rejected and the base bid was used to identify the low bidder. Results were as follows:

<u>Contractor</u>	<u>Base Bid Amount</u>
1) North American Pipeline Management, Inc.	\$798,167.00
2) Layne Inliner, LLC	\$749,835.00
3) <b>Terry Brothers Construction Co., Inc.</b>	<b>\$474,362.00</b>

The apparent low bidder is Terry Brothers Construction Co., Inc. with a base bid amount of \$474,362.00. The FY15-16 construction budget for this project is \$388,000.00. The bid exceeds budgeted funds due to the incorporation of Lyman Street after the FY 15-16 budget had been finalized. The added work on Lyman accounts for approximately \$85,000 of the base bid.

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**

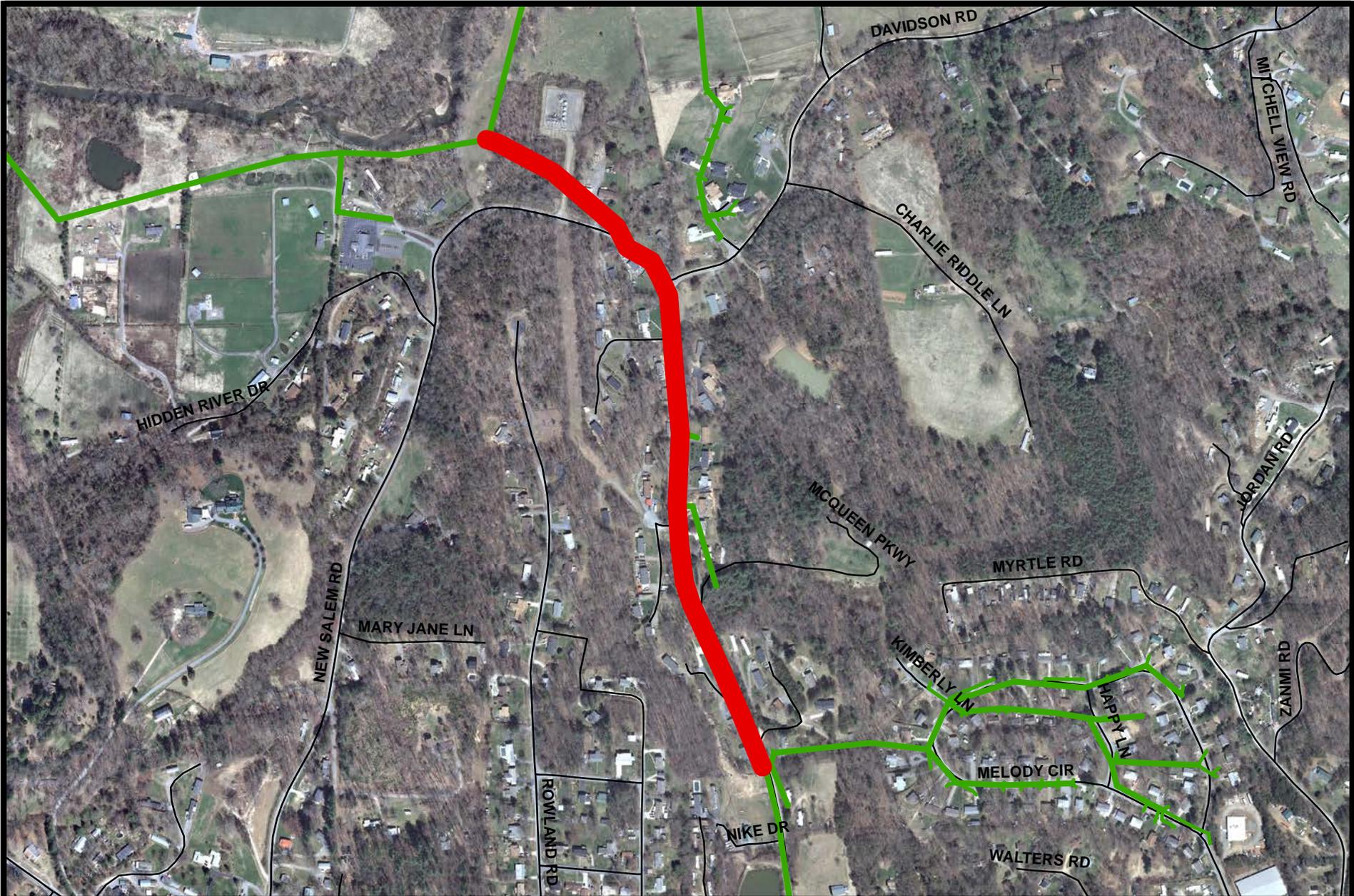
**BUDGET DATA SHEET - FY 2015 - 2016**

<b>PROJECT:</b>	<b>New Salem Road</b>	<b>LOCATION:</b>	<b>Swannanoa</b>
<b>TYPE:</b>	<b>General Sewer Rehab.</b>	<b>PIPE RATING:</b>	<b>82</b>
<b>PROJECT NO.</b>	<b>2012131</b>	<b>TOTAL LF:</b>	<b>3,234</b>
<b>PROJECT BUDGET:</b>	<b>\$419,350.00</b>	<b>PROJECT ORIGIN:</b>	<b>SSO's</b>

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/14	EST. COST JAN - JUNE 2015	BUDGET FY 15-16
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN	\$9,600.00	\$9,600.00		
55330 - DESIGN				
55340 - PERMITS				
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS	\$750.00		\$750.00	
55370 - LEGAL FEES	\$6,000.00	\$3,078.00	\$2,922.00	
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION	\$8,000.00		\$5,000.00	\$3,000.00
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$388,000.00			\$388,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING	\$5,000.00			\$5,000.00
55450 - SURVEY - ASBUILT	\$2,000.00			\$2,000.00
<b>TOTAL AMOUNT</b>	<b>\$419,350.00</b>	<b>\$12,678.00</b>	<b>\$8,672.00</b>	<b>\$398,000.00</b>

<b>ENGINEER:</b>	MSD	HC	<b>ESTIMATED BUDGETS - FY '16 -'25</b>	
<b>R.O.W. ACQUISITION:</b>	MSD	# PLATS: [ 1 ]	FY 16-17	\$0.00
<b>CONTRACTOR:</b>			FY 17-18	\$0.00
<b>CONSTRUCTION ADM:</b>	MSD		FY 18-19	\$0.00
<b>INSPECTION:</b>	MSD		FY 19-20	\$0.00
			FY 20-21	\$0.00
<b>PROJECT DESCRIPTION:</b> This project is located in Swannanoa along New Salem Rd., adjacent to US Hwy 70. Approximately 2,303 LF of existing 8-inch vitrified clay pipe will be CIPP lines and all manholes will be rehabilitated as necessary. Approximately 931 LF of existing 8-inch vitrified clay pipe will be re-routed and replaced with 8-inch ductile iron pipe. This line has experienced multiple backups and SSO's as a result of roots.			FY 21-22	\$0.00
			FY 22-23	\$0.00
			FY 23-24	\$0.00
			FY 24-25	\$0.00

**SPECIAL PROJECT NOTES:**



**New Salem Road  
Project No. 2012131**

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:** November 18, 2015

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

**PREPARED BY:** Kevin Johnson

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

**SUBJECT:** Acceptance of Developer Constructed Sewer System for the Brookgreen at Crest Mountain – Phase 1D (Kenai Drive) Sewer Extension Project, MSD Project No. 2013076

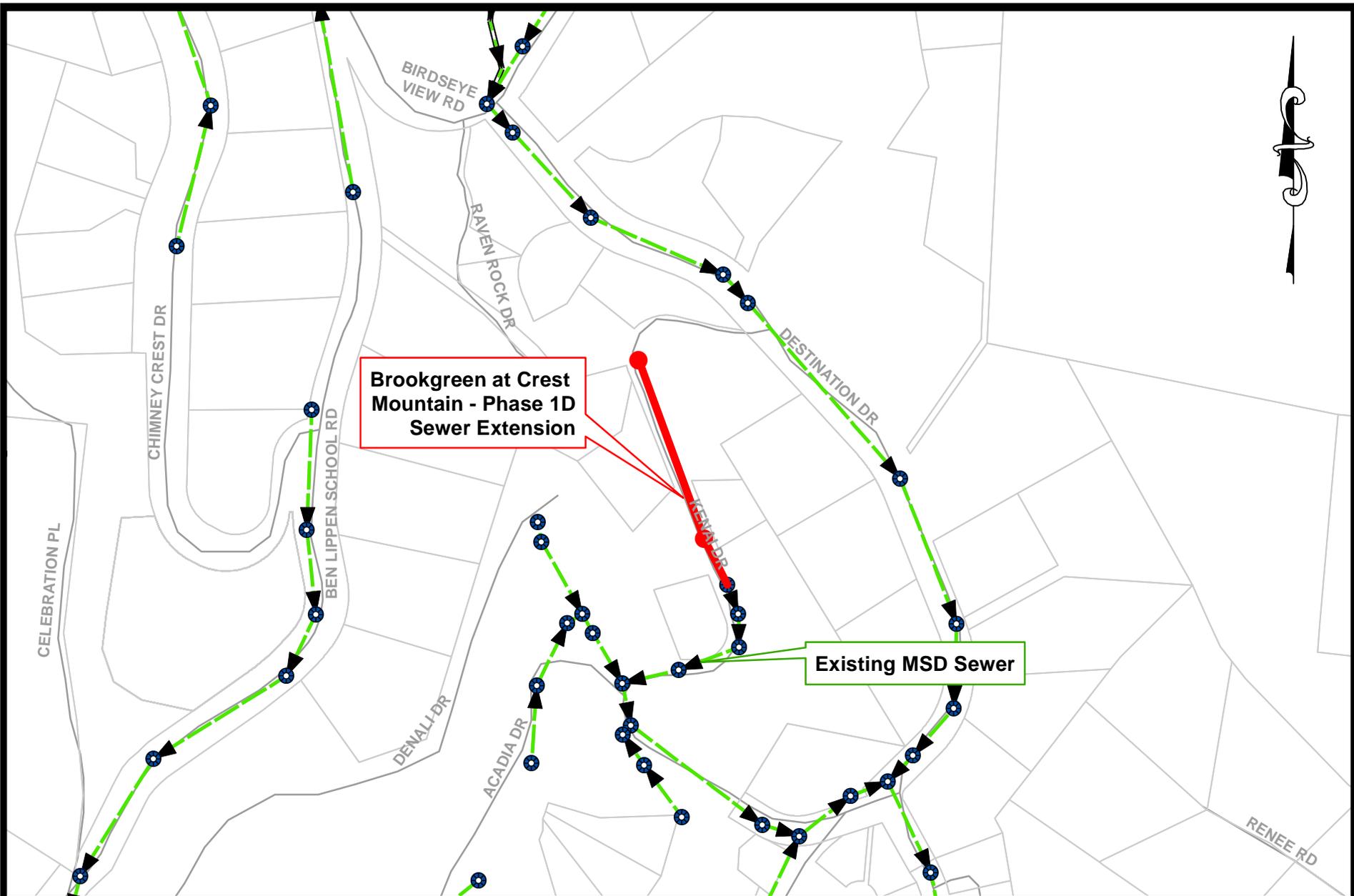
**BACKGROUND:** This project is located inside the District boundary off Ben Lippen Road in Woodfin. The developer of the project is Reese Lasher of Brookgreen, LLC.

The project included extending approximately 370 linear feet of 8-inch public gravity sewer to serve the three (3) unit residential development.

A wastewater allocation was issued in the amount of 900 GPD for the project. The estimated cost of the sewer construction is \$19,715.00.

All MSD requirements have been met.

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



**Brookgreen at Crest Mountain - Phase 1D Sewer Extension**

**Existing MSD Sewer**



**MSD**  
Engineering Division

**Brookgreen at Crest Mountain - Phase 1D Project # 2013076**  
Metropolitan Sewerage District of Buncombe County

11/4/2015

# Metropolitan Sewerage District of Buncombe County

## Board Action Item

**BOARD MEETING DATE:** November 18, 2015

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

**PREPARED BY:** Kevin Johnson

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

**SUBJECT:** Acceptance of Developer Constructed Sewer System for the Cotton Wood Townhomes Sewer Extension Project, MSD Project No. 2009110

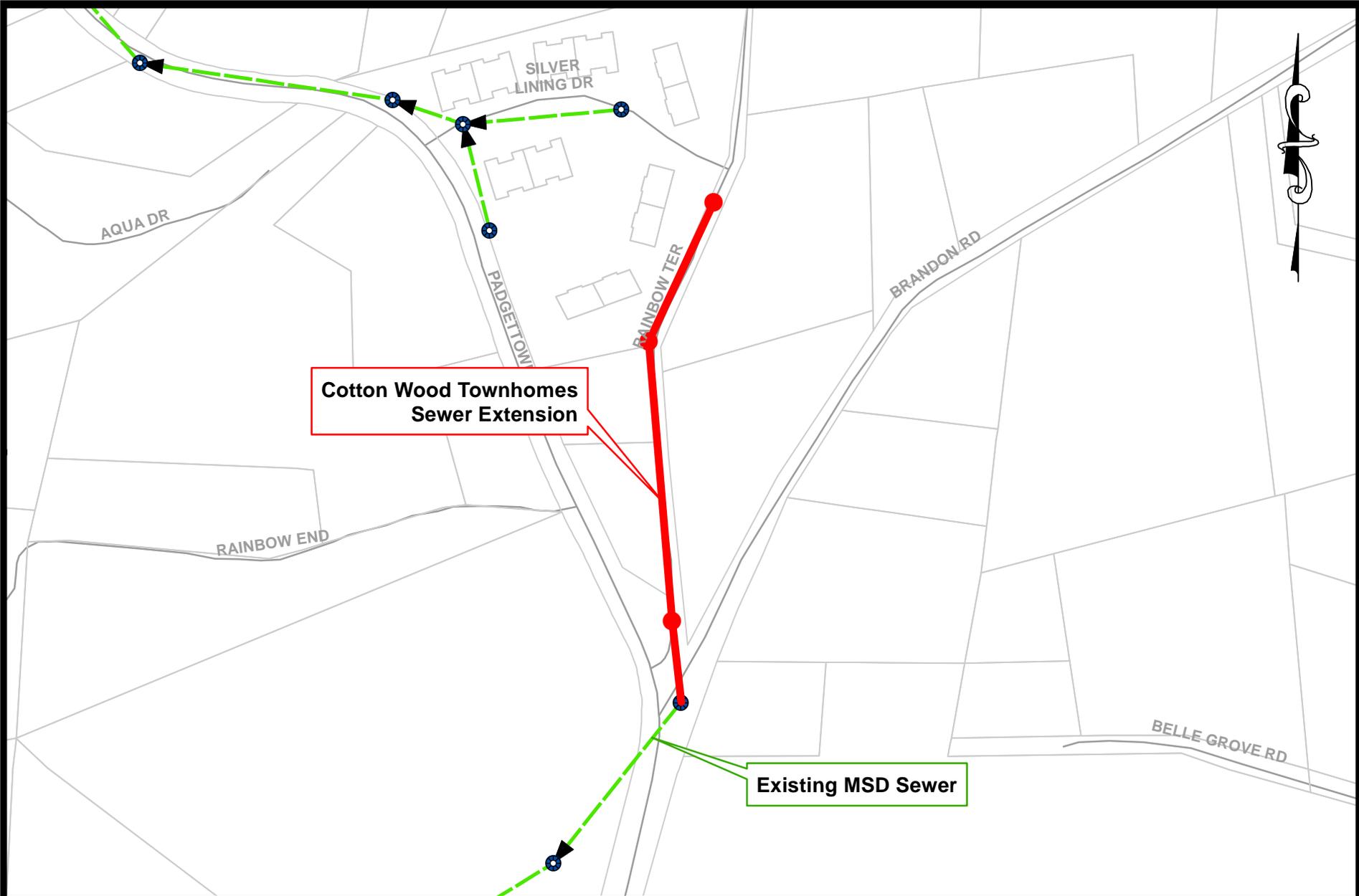
**BACKGROUND:** This project is located inside the District boundary off Rainbow Terrace in Black Mountain. The developer of the project is William Allan.

The project included extending approximately 580 linear feet of 8-inch public gravity sewer to serve the eight (8) unit residential development.

A wastewater allocation was issued in the amount of 2,300 GPD for the project. The estimated cost of the sewer construction is \$26,000.00.

All MSD requirements have been met.

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



**MSD**  
Engineering Division

**Cotton Wood Townhomes Project # 2009110**  
Metropolitan Sewerage District of Buncombe County

# Metropolitan Sewerage District of Buncombe County

## BOARD INFORMATIONAL ITEM

**Meeting Date:** November 18, 2015  
**Submitted By:** Thomas E. Hartye, PE., General Manager  
**Prepared By:** W. Scott Powell, CLGFO, Director of Finance  
**Subject:** First Quarter Budget to Actual Review – FY2016

### Background

At the end of each quarter, actual revenue and expenditure amounts are compared with the budget to evaluate performance. This information is based on cash revenues and invoices received prior to September 30, 2015 and may not include some accruals of revenue and expenditures.

### Discussion

There are several explanatory notes at the bottom of the attached Budget to Actual schedule. Other considerations are as follows:

- ✱ Domestic Revenue and Industrial User Fees are at budget expectations. Staff monitors consumption trends as they have a direct effect on the District's current revenue projections.
- ✱ Facility and Tap Fees are budgeted conservatively. The unusually large variance as of the end of the first quarter is due to receiving unanticipated revenue of \$982,500 from three developments.
- ✱ Interest and miscellaneous income are slightly below budgeted expectations. Short-term interest rates are still experiencing pressures due to Federal Reserve monetary policy.
- ✱ Rental income reflects slightly better than expected earnings.
- ✱ O&M expenditures are at 30.73% of budget. The expenditures include encumbered amounts, which has elevated the budget to actual ratio above 25%. The aforementioned encumbrances will be spent in future quarters.
- ✱ Bond principal and interest are reflected at 25%. This will aid the user to properly assess the District's overall debt service commitments. Actual amount spent is 1.7%. The District is required to make semi-annual interest payments on December 1, 2015 and principal and semi-annual interest payments on July 1, 2016.
- ✱ Amounts budgeted for capital equipment and capital projects are rarely expended proportionately throughout the year and are expected to be fully spent prior to the end of the year.

**Staff Recommendation**

None - Information Only.

<b>Action Taken</b>			
Motion by:	to	Approve	Disapprove
Second by:		Table	Send to Committee
Other:			
Follow-up required:			
Person responsible:		Deadline:	

**Metropolitan Sewerage District  
 Budget to Actual Revenue and Expenditure Report  
 For the three months ended September 30, 2015  
 UNAUDITED--NON-GAAP**

	<b>Budget</b>	<b>Actual to Date</b>	<b>% Budget to Actual</b>
<b>REVENUES</b>			
Domestic User Fees <sup>1</sup>	\$ 28,962,278	\$ 7,469,869	25.79%
Industrial User Fees	3,155,799	861,749	27.31%
Facility Fees <sup>2</sup>	1,500,000	1,665,093	111.01%
Tap Fees <sup>3</sup>	105,000	131,800	125.52%
Billing and Collection	734,708	181,651	24.72%
Interest and Misc. Income	485,094	159,983	32.98%
Employee Contribution to Health Ins.	413,000	95,917	23.22%
City of Asheville (Enka Bonds)	37,000	-	0.00%
Rental Income	69,950	17,807	25.46%
Use of Available Funds <sup>4</sup>	12,021,748	8,335,462	69.34%
<b>Total Revenues<sup>5</sup></b>	<b>\$ 47,484,577</b>	<b>\$ 18,919,331</b>	
<b>EXPENDITURES</b>			
Operations and Maintenance <sup>6</sup>	\$ 15,890,011	\$ 4,883,085	30.73%
Bond Principal and Interest <sup>7</sup>	9,109,708	2,277,427	25.00%
Capital Equipment (Other than O&M) <sup>6</sup>	635,000	113,931	17.94%
Capital Projects <sup>6</sup>	20,849,858	11,644,888	55.85%
Contingency	1,000,000	-	0.00%
<b>Total Expenditures</b>	<b>\$ 47,484,577</b>	<b>\$ 18,919,331</b>	

**Notes:**

- <sup>1</sup> Revenues are accounted for on the cash basis method
- <sup>2</sup> Increase due to unanticipated revenue from three developments at \$982,500
- <sup>3</sup> Increase in number of Taps requiring Pavement Disturbance
- <sup>4</sup> Pay-as-go funds to be used for CIP
- <sup>5</sup> Budget-to-Actual Ratio does not include use of available funds
- <sup>6</sup> Includes encumbered amounts as well as actual insurance expenditures
- <sup>7</sup> Bond principal and interest expenditures are reflected at 25%. Actual spent amount is 1.7%.

# Metropolitan Sewerage District of Buncombe County

## BOARD INFORMATIONAL ITEM

**Meeting Date:** November 18, 2015

**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 September 30, 2015

### **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 September 30, 2015 were \$48,492,229. The detailed listing of accounts is available upon request. The average rate of return for all investments is 0.437%. 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 September 30, 2015 do not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of September 30, 2015 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is \$3,783,700.

<b>Total Cash &amp; Investments as of 09/30/2015</b>		48,492,229
<b>Less:</b>		
Budgeted Commitments (Required to pay remaining FY16 budgeted expenditures from unrestricted cash)		
Construction Funds	(18,629,414)	
Operations & Maintenance Fund	(12,364,074)	
		(30,993,488)
<b>Bond Restricted Funds</b>		
Bond Service (Funds held by trustee):		
Funds in Principal & Interest Accounts	(6,680)	
FY16 Principal & Interest Due	(8,807,178)	
		(8,813,858)
<b>District Reserve Funds</b>		
Fleet Replacement	(613,387)	
WWTP Replacement	(425,466)	
Maintenance Reserve	(913,339)	
		(1,952,192)
<b>District Insurance Funds</b>		
General Liability	(243,717)	
Worker's Compensation	(132,926)	
Post-Retirement Benefit	(1,379,726)	
Self-Funded Employee Medical	(1,192,622)	
		(2,948,991)
<b>Designated for Capital Outlay</b>		3,783,700

### **Staff Recommendation**

None. Information Only.

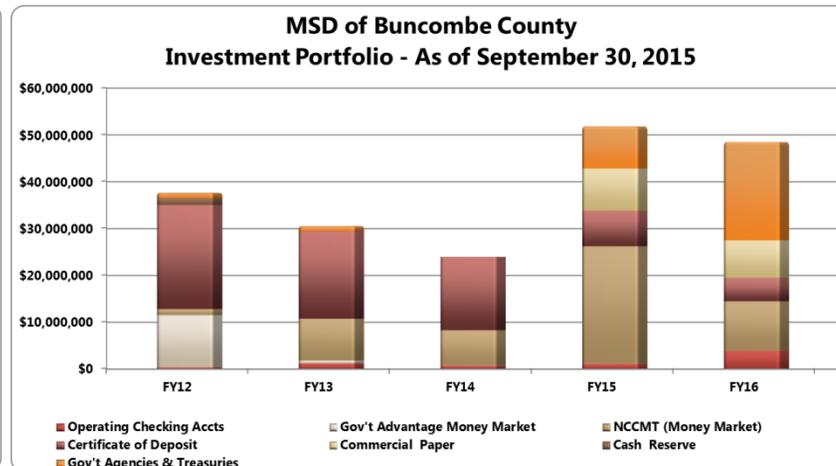
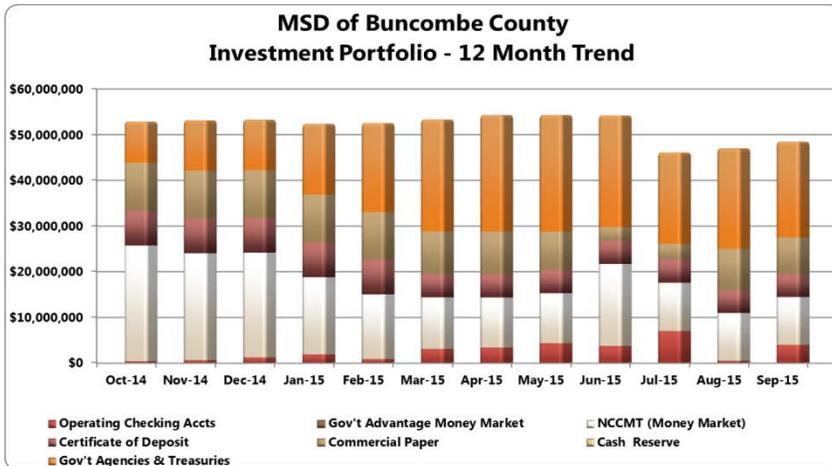
#### **Action Taken**

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

### Metropolitan Sewerage District of Buncombe County Investment Portfolio

	Operating Checking Accounts	Gov't Advantage Money Market	NCCMT (Money Market)	Certificate of Deposit	Commercial Paper	Cash Reserve	Gov't Agencies & Treasuries	Total
<b>Held with Bond Trustee</b>	\$ -	\$ -	\$ 6,680	\$ -	\$ -	\$ -	\$ -	\$ 6,680
<b>Held by MSD</b>	3,959,223	46,665	10,463,999	5,026,796	7,995,410	-	20,993,456	48,485,549
	<b>\$ 3,959,223</b>	<b>\$ 46,665</b>	<b>\$ 10,470,679</b>	<b>\$ 5,026,796</b>	<b>\$ 7,995,410</b>	<b>\$ -</b>	<b>\$ 20,993,456</b>	<b>\$ 48,492,229</b>

<u>Investment Policy Asset Allocation</u>	<u>Maximum Percent</u>	<u>Actual Percent</u>	
U.S. Government Treasuries, Agencies and Instrumentalities	100%	43.29%	No significant changes in the investment portfolio as to makeup or total amount.
Bankers' Acceptances	20%	0.00%	
Certificates of Deposit	100%	10.37%	The District's YTM of .56% is exceeding the YTM benchmarks of the 6 month T-Bill and NCCMT Cash Portfolio.
Commercial Paper	20%	16.49%	
North Carolina Capital Management Trust	100%	21.59%	
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		8.16%	
Gov't Advantage Money Market		0.10%	

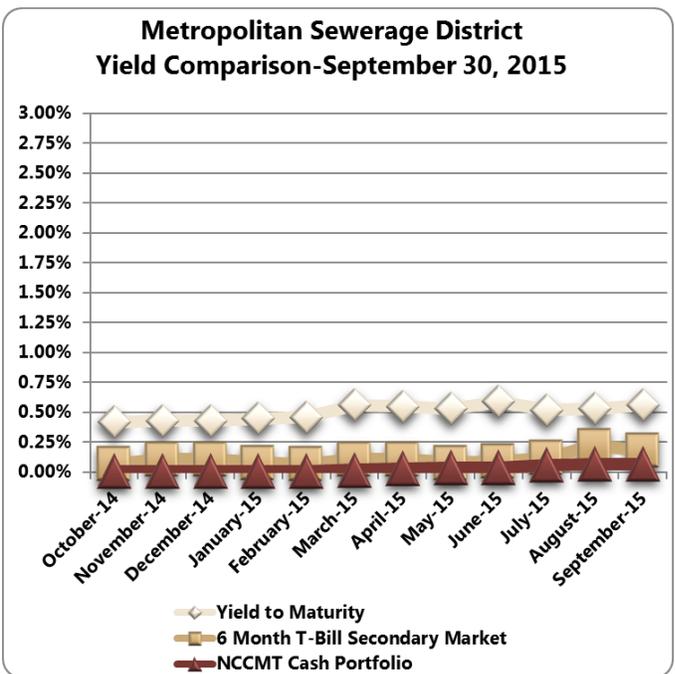
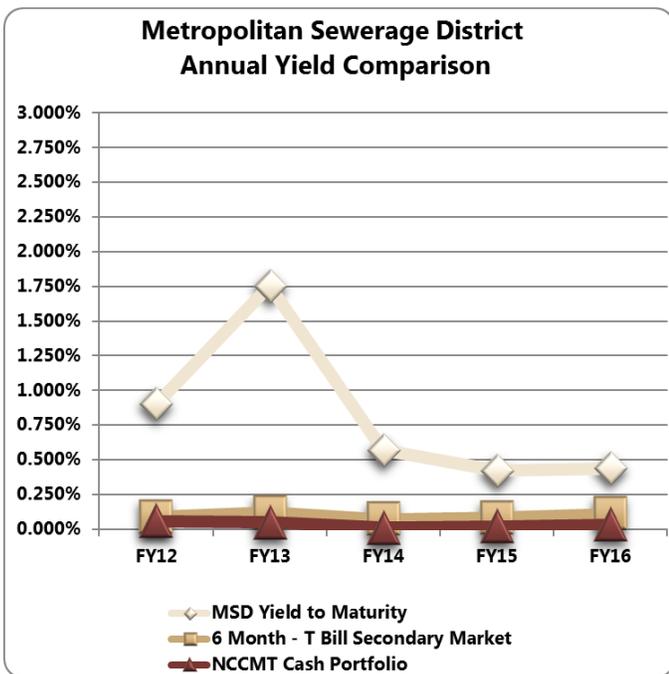


**METROPOLITAN SEWERAGE DISTRICT  
INVESTMENT MANAGERS' REPORT  
At September 30, 2015**

	Original		Interest
	Cost	Market	Receivable
Beginning Balance	\$ 44,583,022	\$ 44,583,022	\$ 438,370
Capital Contributed (Withdrawn)	(2,034,464)	(2,034,464)	
Realized Income	11,898	11,898	(10,823)
Unrealized/Accrued Income		6,978	12,362
Ending Balance	\$ 42,560,456	\$ 42,567,434	\$ 439,910

	Original Cost	Income
Cash Equivalents <91 Days	\$ 16,545,268	\$ 7,936
Securities/CD's 91 to 365 Days	17,017,648	8,163
Securities/CD's > 1 Year	8,997,540	4,316
	\$ 42,560,456	\$ 20,416

<b>Month End Portfolio Information</b>	
Weighted Average Maturity	282
Yield to Maturity	0.56%
6 Month T-Bill Secondary Market	0.18%
NCCMT Cash Portfolio	0.07%



**Board Meeting:**

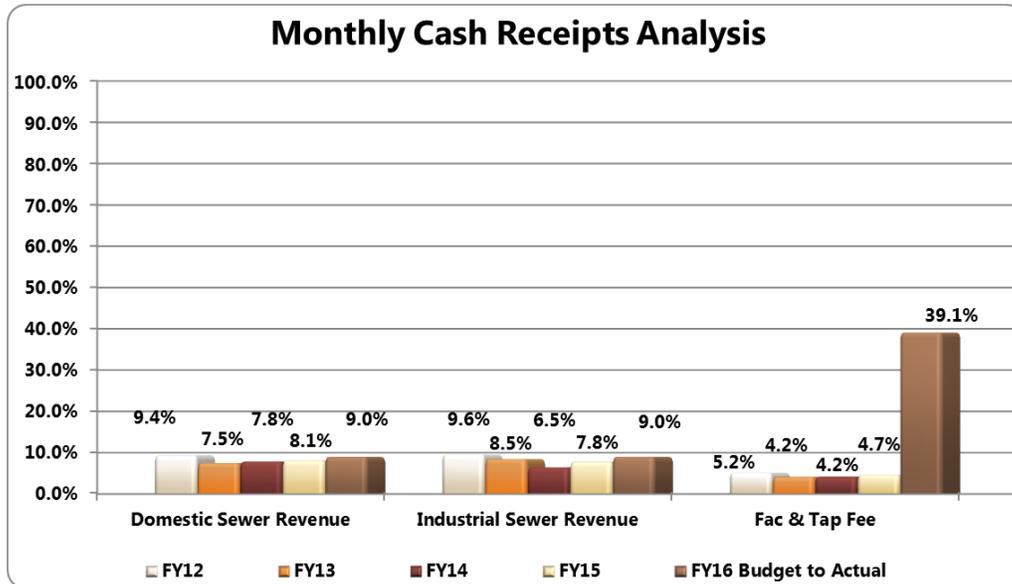
November 18, 2015

**Subject:**

Cash Commitment/Investment Report-Month Ended September 30, 2015

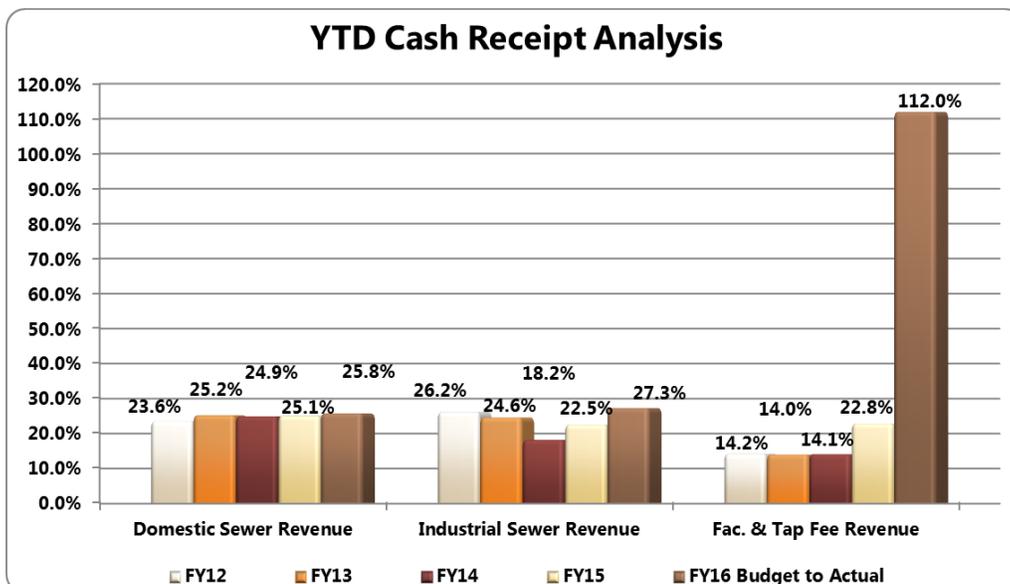
Page -4-

**METROPOLITAN SEWERAGE DISTRICT  
ANALYSIS OF CASH RECEIPTS  
As of September 30, 2015**



**Monthly Cash Receipts Analysis:**

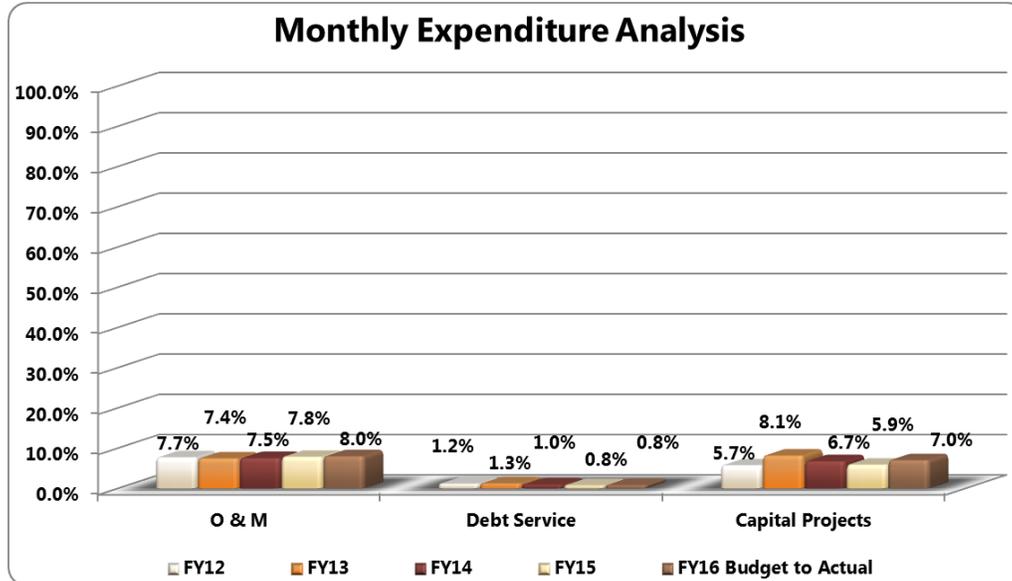
- Monthly domestic sewer revenue is considered reasonable based on timing of cash receipts in their respective fiscal periods.
- Monthly industrial sewer revenue is reasonable based on historical trends.
- Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap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



**YTD Actual Revenue Analysis:**

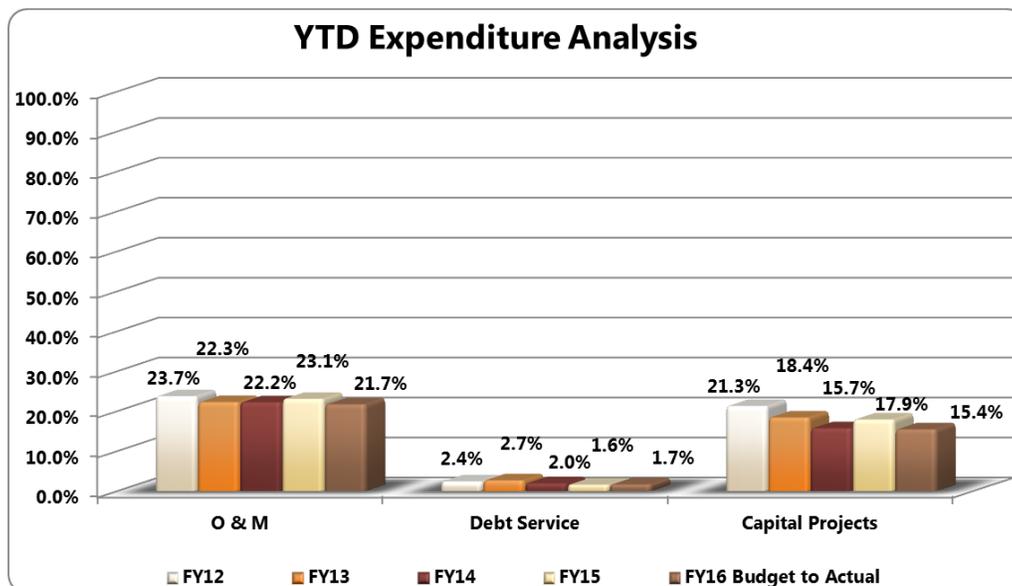
- YTD domestic sewer revenue is considered reasonable based on historical trends.
- YTD industrial sewer revenue is reasonable based on historical trends.
- Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap fee revenue reasonable.

**METROPOLITAN SEWERAGE DISTRICT  
ANALYSIS OF EXPENDITURES  
As of September 30, 2015**



**Monthly Expenditure Analysis:**

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



**YTD Expenditure Analysis:**

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

**Board Meeting:**

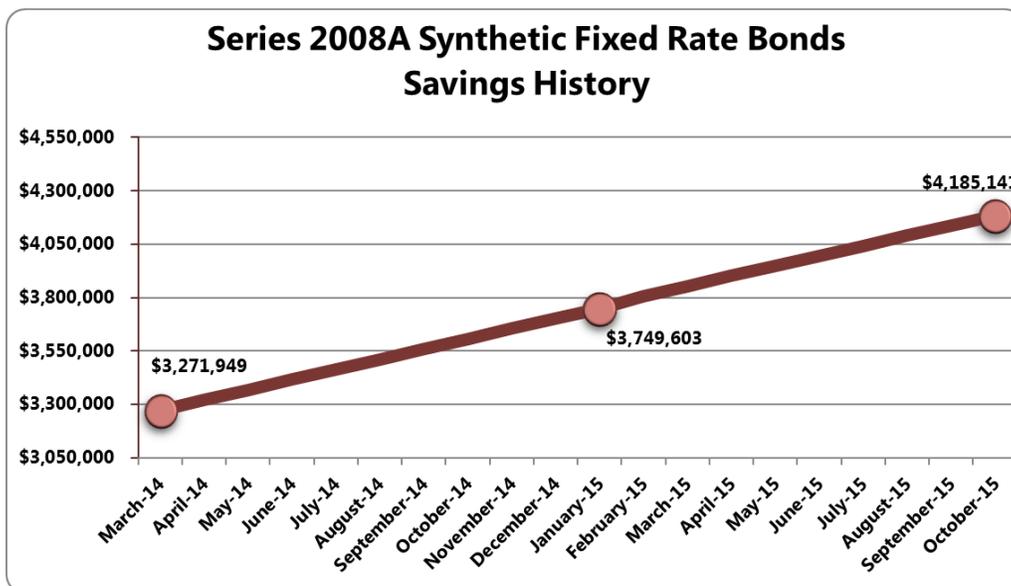
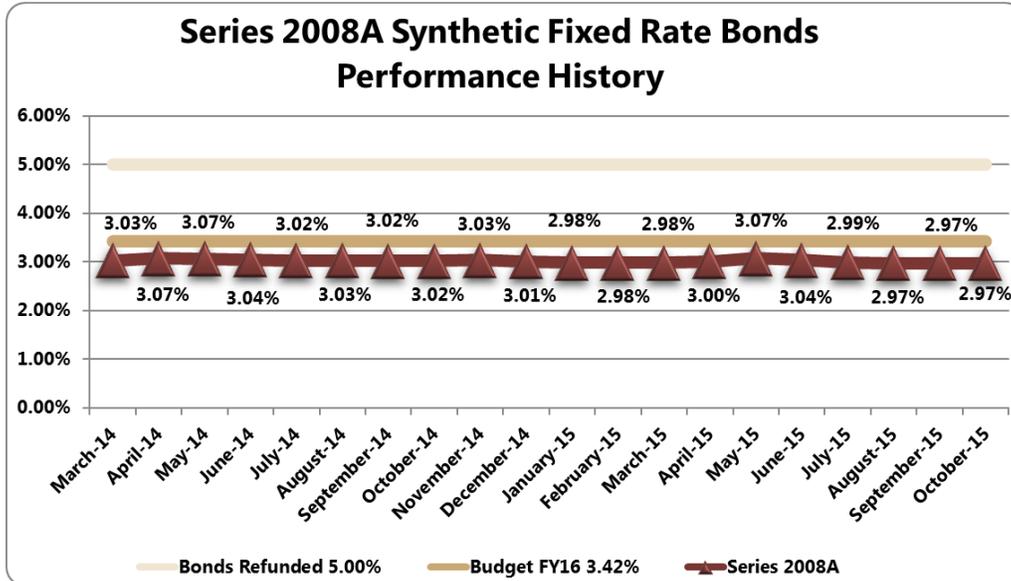
November 18, 2015

**Subject:**

Cash Commitment/Investment Report-Month Ended September 30, 2015

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**METROPOLITAN SEWERAGE DISTRICT  
VARIABLE DEBT SERVICE REPORT  
As of October 31, 2015**



**Series 2008A:**

- Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$4,185,141 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 \$5,007,798 to terminate the existing Bank of America Swap Agreement.

# **STATUS REPORTS**

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

PROJECT NAME		ESTIMATED FOOTAGE	ESTIMATED PROJECT DATES	WO#	CREW	COMPLETION DATE	ACTUAL FOOTAGE	Notes
Deanwood Circle Phase 2	Asheville	618	5/14/15 - 7/1/15	225521	631	7/1/2015	618	complete
590 Haywood Rd	W. Asheville	178	7/16/2015	225966	631	7/16/2015	180	complete
Rathfarnham Circle	Arden	520	7/5/15 - 8/1/15	212218	631	7/23/2015	522	complete
26 Claxton Place	Asheville	121	7/29/2015	224709	631	7/29/2015	121	complete
418 Cedar Lane	Royal Pines	815	7/8/15 - 8/7/15	220605	647	8/6/2015	862	complete
Locust Court Rehab	Royal Pines	100	8/10/15-8/14/15	223590	647	8/17/2015	98	complete
Mount Claire Sewer Rehabilitation	Asheville	656	8/3/15-8/21/15	216742	631	8/21/2015	664	complete
New Salem Road Rehabilitation	Swannanoa	50	8/17/15-8/21/15	226294	647	8/18/2015	34	complete
4 Hawthorne Lane	Montford/Asheville	178	8/24/15 - 9/2/15	226596	631	9/2/2015	178	complete
355 Lakeshore Drive	N. Asheville	300	8/19/15 - 9/5/15	225006	647	9/4/2015	347	complete
Covington Street Improvements	W. Asheville	295	9/8/15-9/11/15	200349	631	9/4/2015	197	complete
83 Grayclyn Rd	Asheville	380	9/8/15-10/1/15	220546	647	9/24/2015	492	complete
Panola Street	Asheville	360	9/14/15 - 10/16/15	225178	631	10/9/2015	308	complete
316 Westover Dr	Asheville	775	10-19-15 - 11/1/15	228021	631	11/3/2015	890	complete
Robindale Ave	Asheville	850	9/25/15 - 11/20/15	45877	647			Construction 60% complete
Winnfred Street	W. Asheville	420	11/11/15 - 12/11/15	208234	631			construction starting 11/11/15
Weaverville Pump Station #1 Improvements	Weaverville	35	11/21/15 - 12/21/15	228575	647			ready for construction
Hunt Hill Place	Asheville	786	12/26/15 - 2/1/16	46650	TBA			ready for construction
Erwin Hills Road Sewer Extension	Leicester	1000	12/12/15 - 2/1/16	TBA	631			ready for construction
Fair Oaks Rd at Green Road (P/N 2009133)	Arden	1600	FY 15-16	TBA	TBA			ready for construction
Celia Place at Bond Street	Asheville	526	FY 15-16	227752	TBA			ready for construction
School Road at Cranford Road	W. Asheville	360	FY 15-16	224943	TBA			ready for construction, MSD Project 2014084
Sareva Place	N. Asheville	863	FY 15-16	20330	TBA			ready for construction
Starnes Avenue at Broadway Street	Asheville	400	FY 15-16	208325	TBA			ready for construction
18 Crestland Road	Asheville	270	FY 15-16	46826	TBA			ready for construction
Carjen Avenue	N. Asheville	918	FY 15-16	20331	TBA			ready for construction
111 Compton Drive	Asheville	360	FY 15-16	470614	TBA			In design
School Road at Woodland	W. Asheville	350	FY 15-16	224993	TBA			In design
149 Weston Rd	Arden	210	FY 15-16	225004	TBA			In design
Spears Avenue Rehabilitation	Asheville	300	FY 15-16	225197	TBA			In design
Seventh St	Black Mountain	200	FY 15-16	225198	TBA			In design
Biltmore Avenue at Bryson Street	Asheville	200	FY 15-16	225195	TBA			In design



## CONSTRUCTION TOTALS BY DATE COMPLETED - Monthly

From 7/1/2015 to 9/30/2015

	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	12	11	6,757	377	307	280	18	1,378	2342
September 2015	32	7	186	743	29	25	10	348	219	479	11	735	1781
<b>Grand Totals</b>	<b>90</b>	<b>21</b>	<b>362</b>	<b>1,659</b>	<b>73</b>	<b>48</b>	<b>6,767</b>	<b>816</b>	<b>1642</b>	<b>1167</b>	<b>42</b>	<b>3,170</b>	<b>6795</b>

\* Used to calculate Total Rehab Footage



## PIPELINE MAINTENANCE TOTALS BY DATE COMPLETED - Monthly

July 01, 2015 to September 30, 2015

	Main Line Wash Footage	Service Line Wash Footage	Rod Line Footage	Cleaned Footage	CCTV Footage	Smoke Footage	SL-RAT Footage
<b>2015</b>							
<b>July</b>	98,340	1,112	3,630	101,970	35,280	18,250	7,999
<b>August</b>	65,325	1,906	7,190	72,515	24,728	0	13,969
<b>September</b>	79,795	1,645	9,498	89,293	32,353	4,579	17,664
<b>Grand Total:</b>	<b>243,460</b>	<b>4,663</b>	<b>20,318</b>	<b>263,778</b>	<b>92,361</b>	<b>22,829</b>	<b>39,632</b>
<b>Avg Per Month:</b>	<b>81,153</b>	<b>1,554</b>	<b>6,773</b>	<b>87,926</b>	<b>30,787</b>	<b>7,610</b>	<b>13,211</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
		<b>289</b>	<b>30</b>	<b>41</b>
<b>NIGHT 1ST RESPONDER</b>				
	July, 2015	14	19	25
	August, 2015	22	22	28
	September, 2015	23	21	29
		<b>59</b>	<b>21</b>	<b>28</b>
<b>ON-CALL CREW *</b>				
	July, 2015	28	39	46
	August, 2015	24	48	30
	September, 2015	30	45	51
		<b>82</b>	<b>44</b>	<b>43</b>
<b>Grand Totals:</b>		<b>430</b>	<b>32</b>	<b>40</b>

\* On-Call Crew Hours: 10:30pm-7:30am Monday-Friday, Weekends, and Holidays

## *Right of Way Section 1st Quarter Summary Open Projects*

<i>Project</i>	<i>Total ROW Budget</i>	<i>Total Expends to Date</i>	<i>Comment</i>
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 7/22.
Erwin Hills Road @ Lee's Creek Road Extension			Acquisitions to begin October 2015. This is a joint venture project providing affordable housing for county/city teachers. Extension to be built by MSD. No compensation paid to governmental agencies.
Fair Oaks Road @ Greene Road	\$20,287	\$7,352	Access 80% complete with 36% of Total Budget expended to date.
Freno Drive PSR			Access 40% complete. There are land title issues on three parcels over which MSD has no control. It will be up to affected owners to correct title problems before valid easements can be obtained. No compensation is paid for PSRs, as easements are granted in exchange for MSD taking ownership/maintenance of the previously private lines.
Hendersonville Road @ Mills Gap Road GSR	\$268,384	\$92,334	Access 43% complete with 34% of Total Budget expended to date. All commercial properties with multiple owners and lessees. Anticipate one condemnation.
Hilliard Avenue @ Aston Park GSR	\$35,754	\$25,471	Access 100% complete with 71% of Total Budget expended to date. One condemnation filed.
Sand Hill @ Russell/Davenport GSR	\$66,754	\$25,096	Access 48% complete with 38% of Total Budget expended to date.
Shadowlawn Drive Ph. 2	\$43,550	\$30,100	Project 100% complete with 69% of Total Budget expended and no condemnations.
Short Coxe @ Southside	\$165,652	\$163,632	Access 100% complete with 99% of Total Budget expended to date. Five condemnations/declaratory judgments filed. Four cases settled out of court, saving trial expenses. Final trial is scheduled for October 2015.
Sweeten Creek Road @ Busbee View Lane GSR	\$21,560		Acquisitions to begin October 2015.

<i>Project</i>	<i>Total ROW Budget</i>	<i>Total Expends to Date</i>	<i>Comment</i>
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 November 2015.

**CAPITAL IMPROVEMENT PROGRAM**

**STATUS REPORT SUMMARY**

**November 10, 2015**

PROJECT	LOCATION OF PROJECT	CONTRACTOR	AWARD DATE	NOTICE TO PROCEED	ESTIMATED COMPLETION DATE	*CONTRACT AMOUNT	*COMPLETION STATUS (WORK)	COMMENTS
CLAYTON ROAD PUMP STATION	Skyland	J.S. Haren Company	11/19/2014	2/23/2015	11/13/2015	\$192,500.00	96%	Paving is complete and fencing is being replaced. One small item remains on the wet well which is expected to be finished this week.
HILLIARD AVENUE @ ASTON PARK	Asheville	Buckeye Bridge, LLC	8/19/2015	10/12/2015	3/10/2016	\$542,732.50	1%	Construction has started at tie-in manhole; moving slowly.
MELODY CIRCLE	Swannanoa	Terry Brothers	7/15/2015	8/3/2015	1/30/2016	\$954,087.50	65%	Project is progressing on schedule.
NEW SALEM ROAD	Swannanoa	TBD	TBD	TBD	TBD	TBD	0%	Bids were opened on October 29th. Terry Brothers is the apparent low bidder. Project will be presented at the November Board meeting.
SHADOWLAWN DRIVE PHASE I	Asheville	Buchanan & Sons	12/17/2014	1/26/2015	Complete	\$923,946.00	99%	Punchlist items completed 10/15/2015. Project close-out is in progress.
SOUTH FRENCH BROAD INTERCEPTOR - GROUTING	Biltmore	Lake County Sewer Company	10/21/2015	1/4/2016	4/3/2016	\$503,599.00	0%	Preconstruction meeting is scheduled for December 3, 2015.
WRF - INCINERATOR SYSTEM REHABILITATION AND EMISSIONS UPGRADES	Woodfin	Haren Construction Company	2/18/2015	3/25/2015	2/23/2016	\$4,624,000.00	60%	Refractory lined piping complete. I&C on the scrubber venturi should complete this week. The entire project is on schedule for firing up the system the week of Thanksgiving.
WRF - INCINERATOR BUILDING - MCC REPLACEMENT	Woodfin	Haren Construction Company	N/A	N/A	N/A	\$236,000.00	75%	This project is being done as part of the Incinerator Rehab project, via Change Order. Conduits have been run and cables are being pulled. MCC's are in place. Project is on schedule for required startup prior to thanksgiving. There will be demo after the start up.
WRF - INFLUENT PUMP STATION REHABILITATION: AFD REPLACEMENT	Woodfin	M.B. Haynes	8/19/2015	10/5/2015	5/2/2016	\$428,370.00	10%	IPS building is set and anchored. Existing ground system has been tested and will meet the job requirements. Junction boxes are in fabrication. Conduit work as well as removal of existing drive #2 expected in 2-3 weeks.

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

## Planning & Development Project Status Report

### Active Projects

November 18, 2015

#	Project Name	Project Number	Work Location	Units	LF	Pre-Construction Conference Date	Comments
1	Governor's Western Residence	2014100	Buncombe Co.	Comm.	636	7/22/2015	Installing
2	Greenwood Park Phase I	2014067	Weaverville	7	283	9/1/2015	Final Inspection complete, awaiting close-out docs
3	Rivermill Lofts Relocation	2014125	Asheville	254	314	8/21/2015	Testing wait period
4	Givens Gerber Park	2014065	Buncombe Co.	260	357	8/7/2015	Testing
5	Hawthorne South	2014130	Asheville	250	400	8/7/2015	Testing
6	Ingles - Smokey Park Highway	2013135	Asheville	Comm.	1,289	4/11/2014	Waiting on final inspection
7	Conestee	2014149	Asheville	7	113	8/7/2015	Pre-con held, ready for construction
8	Audubon Apts. Phase 2	2014027	Buncombe Co.	86	16	5/27/2015	Waiting on final inspection
9	Hunt Hill Apartments	2013111	Asheville	180	1,729	3/5/2014	Waiting on final inspection
10	Rosebriar	2007005	Black Mountain	12	309	8/28/2014	Waiting on final inspection
11	Ventana	2014085	Woodfin	100	5,430	8/12/2014	Partial final inspection complete.
12	Montreat Sports Complex	2015102	Montreat	Comm.	630	8/7/2015	Final Inspection complete, awaiting close-out docs
13	Dilworth Apartments	2015001	Asheville	168	950	8/3/2015	Waiting on final inspection
14	Isaac Dickson School Relocation	2013033	Asheville	School	504	1/13/2014	Waiting on final inspection
15	Gibson Road (aka Four Seasons)	2014138	Asheville	3	137	9/11/2015	Testing
16	Roberts Farm Phase I	2015056	Black Mountain	250	1,165	7/29/2015	Installing
17	First Baptist Relocation	2015032	Asheville	Comm.	333	7/21/2015	Waiting on final inspection
18	Biltmore Lake Block "I"	2014128	Buncombe Co.	19	1,676	3/31/2015	Installing
19	Creekside Cottages	2014095	Buncombe Co.	7	504	3/12/2015	Waiting on final inspection
20	Crossings at Beaverdam	2014150	Woodfin	Comm.	119	2/18/2015	Waiting on final inspection
21	Creekside Village Phase 2	2014088	Weaverville	145	2,051	8/7/2015	Installing
22	Busbee Mountain	2007181	Asheville	9	580	9/29/2014	Testing
23	Country Inn & Suites - Westgate	2014089	Asheville	Comm.	204	1/22/2015	Waiting on final inspection
24	Burk Street - Phase III	2014079	Asheville	7	111	11/20/2014	Testing
25	Dillingham Woods	2014048	Asheville	27	375	3/4/2015	Installing
26	790 Riceville Road	2014078	Asheville	8	1,620	3/3/2015	Testing
27	Ramble Block "E"	2015030	Buncombe Co.	22	1,357	7/29/2015	Waiting to test
28	Haw Creek - Waters Road	2014086	Asheville	20	643	7/28/2015	Testing
29	Asheville Middle School	2013125	Asheville	School	214	9/30/2014	Waiting on final inspection
30	Robinhood Relocation	2013107	Asheville	5	230	7/23/2015	Installing
31	Lakeside Meadows	2013067	Weaverville	25	1,096	1/16/2015	Waiting on final inspection
32	Crest Mountain Phase 3B	2013041	Woodfin	69	1,329	10/15/2013	Waiting on final inspection
33	Evolve Mountain View	2013105	Asheville	148	347	10/21/2014	Punch-list pending
34	26 Carl Alwin Place	2014091	Buncombe Co.	Comm.	246	5/1/2015	Final Inspection complete, awaiting close-out docs
35	Bojangles - Smokey Park	2014124	Buncombe Co.	Comm.	382	8/18/2015	Installing
36	Pisgah View Subdivision	2015120	Buncombe Co.	6	176	9/11/2015	Pre-con held, ready for construction
37	Serenity Falls Subdivision	2015055	Woodfin	45	2,583	9/18/2015	Installing
38	Long Shoals Village Ph. 1 (Bojangles)	2015103	Buncombe Co.	Comm.	535	10/23/2015	Pre-con held, ready for construction
39	Amboy Overlook	2014136	Asheville	19	899	10/20/2015	Pre-con held, ready for construction
40	Bowen Estates	2015064	Asheville	4	178	10/13/2015	Pre-con held, ready for construction
41	Craggy Park	2014164	Asheville	45	1,935	10/23/2015	Pre-con held, ready for construction
42	Mallard Run Phase II	2015090	Buncombe Co.	37	1,217	10/13/2015	Final Inspection complete, awaiting close-out docs
			<b>TOTAL</b>	2,244	35,202		