

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT  
SEPTEMBER 18, 2013**

**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 p.m., Wednesday, September 18, 2013. Chairman VeHaun presided with the following members present: Ashley, Belcher, Bryson, Kelly, Manheimer, Pelly, Root, Stanley and Watts. Ms. Frost and Mr. Russell were absent.

Others present were: Thomas E. Hartye, General Manager, William Clarke, General Counsel, Gary McGill with McGill Associates, P.A., Joseph Martin with Woodfin Sanitary Water and Sewer District, Marcus Jones with Henderson County, Patty Beaver with CIBO and MSD Staff, Stan Boyd, Ed Bradford, Scott Powell, Mike Stamey, Ken Stines, Matthew Walter, Jim Hemphill, Dennis Lance, Roger Edwards 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 August 21, 2012 Board Meeting:**

Mr. VeHaun stated there is one correction to the Minutes of the August 21, 2013 Board Meeting in that Matt Ashley and Chris Pelly were in attendance. With no further changes, Mr. Pelly moved the Minutes be approved as amended. Mr. Stanley seconded the motion. Voice vote in favor of the motion was unanimous.

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

None

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

Mr. VeHaun welcomed Ms. Beaver, Mr. Martin and Mr. Jones. There was no public comment.

**6. Report of General Manager:**

Mr. Hartye reported that following the October Board Meeting (weather permitting) Staff will give a tour of the Regional Treatment Plant for all Board Members who can stay. He stated that during the meeting, Peter Weed will give a virtual tour of the plant, pump stations and hydroelectric facility.

With regard to HB488, Mr. Hartye called on Mr. Clarke to give an update on the legal process that is underway. Mr. Clarke reported a hearing was held September 6, 2013 in Raleigh. He and Mr. Hartye attended for MSD. The subject of the hearing was a motion by the City of Asheville for a Preliminary Injunction and the State of North Carolina had filed a motion to dismiss the lawsuit. There was argument from the City of Asheville and the State of North Carolina that went on from 10 a.m. to 12:30 p.m., with most of the argument on the part of the City of Asheville Attorney. He stated the Judge had not looked at anything prior to the hearing. It had been previously agreed that the Temporary Restraining Order would remain in effect until October 14 to give the Judge time to rule. He further reported the Judge convened a conference call last week with the Attorneys involved and encouraged them to get the case in a posture where he could decide everything with one ruling. He wanted the State to file an answer and the parties to agree to file cross motions for Summary Judgement. The Judge talked about a deadline of about 150 days, with a decision in January, because he recognizes whoever wins or loses, they will appeal his decision. The Judge did not give any indication as to how he

would rule other than to say if he's not in a position to make one ruling, he would deny the State's motion to dismiss and would issue a ruling on the Preliminary Injunction. Ms. Manheimer asked if the Judge gave a deadline for a decision by the parties to accept his suggestion. Mr. Clarke said no, but he thinks it's fair to say everyone seems to think his suggestion is okay and are waiting for an Order to be drafted and circulated.

For the benefit of new Board Members, Mr. Hartye gave a presentation on MSD's website ([msdbc.org](http://msdbc.org)). He reported the homepage gives emergency numbers for customers that are experiencing sewer problems. A virtual tour of the plant is also available. He suggested that Members take advantage of this tour prior to the October meeting when this will be discussed and an actual tour will take place following the meeting. The "About Us" section gives a History of MSD; Board of Directors information; Location, Presentations about MSD; Benefits; Employment Opportunities; Financials that include Annual Budgets and CAFR's; Forms, Industrial; Related Agencies; Meeting Notices; MSD Board Agenda; MSD Board Minutes and New Development, which includes Construction Details; Sewer Extension Manual and Policy and Sewer Service Application. He further reported that the website also offers MSD's Annual Report (SPAR); Policies & Ordinances which include Billing Policy; Environmental Policy; Enforcement Response Plan; Municipal Annexation Sewer Systems Extensions; ROW Acquisition; Sewer Extension Policy and Sewer Use Ordinance. The "Projects" section includes Advertisement for Bids; Bid Results; CIP FY2014-2023 Budget; CIP Project Status Report; Pipe Rating Program and Planholder's Lists. The "Rates" section includes Current Rates; History of Rates and MSD Rates and Funding. In addition, there are Sewer Maps; Street Interruptions; Survey Standards; Water Studies and Site Map.

Mr. Hartye presented a thank you letter from Steve Aceto.

Mr. Hartye reported that the annual MSD – United Way Golf Classic will be held Friday, October 4<sup>th</sup> at Broadmoor with a 9 a.m. shotgun start. Contact Peter Weed or Sheila Kilby for more information.

Mr. Hartye reported that Irene Dillingham of Montreat Road called on August 7<sup>th</sup> to express gratitude for the work performed at her house by Roy Lytle, Robert Denny, Josh Matthews, Mitchell Metcalf, Tommie Brooks and Wayne Rice. He further reported MSD received an email from Kristen Lee of Vivax-Metrotech Corporation regarding help she received from Amy Alexander, and an email from Jon Arge of Warwick Road in Kenilworth regarding the crew of Roy Lytle, John Gosnell, Robert Denny and Dale Dillingham.

Mr. Hartye reported that several retirements are planned for this fall and wanted to make note of two present at today's meeting. First, Dennis Lance who has been lead operator at the plant for 27 years. He stated that Dennis worries about the plant 24/7-365; gets called up in the middle of the night when things go wrong, and during holidays and inclement weather, Dennis is the one who responds. Also, Dennis gives informative and entertaining plant tours. Second is Stan Boyd who has been with MSD for 23 years. He stated that Stan has been at MSD since and during consolidation; has always been willing to lend a hand and more often a kind ear to everyone and has become a close friend to all. Mr. Boyd stated he has enjoyed his tenure at MSD and that the Board has been very good to its employees and to him and he appreciates that. He further stated that it's been a very good career and he wished the Board the greatest. Mr. Hartye introduced MSD's new Plant Operations Manager Mr. Roger Edwards who has had many years' experience both on the operations end and the regulatory end and formerly was the Regional Coordinator for DENR. Mr. Hartye welcomed Mr. Edwards and said MSD is very happy to have him on board.

Mr. Hartye reported the next Right of Way Committee Meeting will be held on September 25<sup>th</sup> at 9 a.m. The next regular Board Meeting will be October 16<sup>th</sup> at 2 p.m. The employee picnic will be held Thursday, September 19<sup>th</sup> behind the Maintenance Facility.

**7. Consolidated Motion Agenda:**

**a. Consideration of Bids – Sanitary Sewer Rehabilitation Project – Merrimon Avenue @ Stratford Road:**

Mr. Hartye presented a map showing the location of the project and what has been done over the last 10-15 years in this area of the lake. He reported this project is for the replacement of aged sewer lines which serve a residential area immediately west of Beaver Lake and includes replacement of a portion of the main interceptor which serves the Beaverdam Creek drainage basin. The project is comprised of 2,400 linear feet of 8-inch through 30-inch DIP. The contract was advertised and the following bids were received on August 29, 2013: Buckeye Construction Co., with a bid of \$1,000,277.30; Ruby-Collins with a bid of \$858,363.00; Huntley Construction Co. with a bid of \$847,727.51 and Terry Brothers Construction Co., with a bid of \$774,177.00. Note, the bid of Huntley Construction Co. did not provide a bid bond; therefore, the bid was rejected. Staff recommends award of this contract to Terry Brothers Construction Co., in the amount of \$774,177.00, subject to review and approval by District Counsel.

**b. Consideration of Bids – Slide Gate Repair Project at Water Reclamation Facility:**

Mr. Hartye reported this project is for the replacement of slide gates for the Rotating Biological Contactors (RBC's) at the plant. He stated these gates control flow within the basins and helps to maintain the RBC's in good working order. He stated there are three RBC Basins. The gates in Basin one is operational and function properly. The gates in Basins two and three do not work properly and must be replaced. He further reported the contract was advertised and the following eight bids were received on August 29, 2013: RTD Construction, Inc. with a bid of \$595,000.00; Ruby-Collins, Inc. with a bid of \$595,000.00; Hickory Construction Co., with a bid of \$564,100.00; Haren Construction Co., with a bid of \$555,000.00; Dellinger, Inc. with a bid of \$547,600.00; James E. Harris Construction Co., with a bid of \$506,686.00; Turner Murphy Company, Inc. with a bid of \$352,610.00 and NHM Constructors, LLC with a bid of \$288,924.00. He stated that the low bidder (NHM Constructors, LLC) is a new company and has not completed any projects for MSD. NHM is a local company which was formed from an existing company (Taylor-Murphy) at the beginning of 2013. He stated the majority of their work to date has been NCDOT type work but Staff obtained independent references from similar plant-type work that NHM previously completed and the references all had favorable comments. Staff recommends award of this contract to NHM Constructors, LLC in the amount of \$288,924.00, subject to review and approval by District Counsel.

**c. Consideration of Developer Constructed Sewer Systems: Davidson Road; Harris Teeter; Myers Project and New Salem Road:**

Mr. Hartye reported the Davidson Road Project is located inside the District boundary in Buncombe County and included the installation of approximately 112 linear feet of 8" gravity sewer to serve a three (3) unit residential subdivision.

Mr. Hartye reported the Harris Teeter Project is located inside the District boundary at the intersection of Chestnut Street and Merrimon Avenue in the City of

Asheville. The project included the installation of approximately 790 linear feet of 8” gravity sewer to serve a commercial/retail development.

Mr. Hartye reported the Myers Project is located inside the District boundary at the intersection of Round Top and Bellevue Road in the City of Asheville. The project included the installation of approximately 146 linear feet of 8” gravity sewer to serve a five (5) unit residential subdivision.

Mr. Hartye reported the New Salem Road Project is located inside the District boundary in Buncombe County and included the installation of approximately 40 linear feet of 8” gravity sewer to serve a five (5) unit affordable residential subdivision.

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

**d. Cash Commitment/Investment Report – Month Ended July 31, 2013:**

Mr. Powell reported that Page 34 presents the makeup of the District’s Investment Portfolio. He stated there has been a \$5.4 million dollar decrease from the previous month which is a direct result of the District meeting its July 1<sup>st</sup> debt service obligation. Page 35 is the MSD Investment Manager Report as of the month of August. The weighted average maturity of the investment portfolio is 371 days. The yield to maturity is 0.81% and exceeds MSD benchmarks of the 6 month T-Bill and NCCMT cash portfolio. Page 36 is an analysis of the District’s Cash Receipts. Monthly domestic sewer revenue is considered reasonable based on historical trends. Monthly and YTD Industrial Sewer Revenue as well as Facility and Tap Fees are considered reasonable based on historical trends. Page 37 is an analysis of the District’s Expenditures. Monthly and YTD expenditures are considered reasonable based on historical trends. Page 38 is the MSD Variable Debt Service report. The 2008 A Series is performing better than budgeted expectations and as of the end of August, this issue has saved District customers approximately \$2.9 million dollars in debt service.

Mr. Watts moved the Board approve the Consolidated Motion Agenda as presented. Mr. Pelly seconded the motion. With no discussion, Mr. VeHaun called for the question. 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 2:25 p.m.

---

Jackie W. Bryson, Secretary/Treasurer

# MSD

## Regular Board Meeting

Metropolitan Sewerage District  
of Buncombe County, NC

### AGENDA FOR 9/18/13

✓	Agenda Item	Presenter	Time	
	Call to Order and Roll Call	VeHaun	2:00	
	01. Inquiry as to Conflict of Interest	VeHaun	2:05	
	02. Approval of Minutes of the August 21, 2013 Board Meeting.	VeHaun	2:10	
	03. Discussion and Adjustment of Agenda	VeHaun	2:15	
	04. Informal Discussion and Public Comment.	VeHaun	2:20	
	05. Report of General Manager	Hartye	2:30	
	06. Consolidated Motion Agenda		2:50	
	a. Consideration of Bids – Sanitary Sewer Rehabilitation Project – Merrimon Avenue @ Stratford Road.	Hartye		
	b. Consideration of Bids – Slide Gate Repair Project at Water Reclamation Facility.	Hartye		
	c. Consideration of Developer Constructed Sewer Systems: Davidson Road; Harris Teeter; Myers Project and New Salem Road.	Hartye		
	d. Cash Commitment Investment Report – Month Ended July 31, 2013.	Powell		
	07. Old Business	VeHaun	3:05	
	08. New Business	VeHaun	3:10	
	09. Adjournment (Next Meeting (10/16/13))	VeHaun	3:15	
	STATUS REPORTS			

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT**  
**AUGUST 21, 2013**

**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 p.m., Wednesday August 21, 2013. Chairman VeHaun presided with the following members present: Bryson, Frost, Kelly, Manheimer, Root, Russell, Stanley and Watts. Mr. Belcher was absent.

Others present were: Thomas E. Hartye, General Manager, William Clarke, General Counsel, Gary McGill with McGill Associates, P.A., Marcus Jones with Henderson County, Karen Tessier with Market Connections, Nick Dierkes with Brown & Caldwell, David Collins with CDM Smith and MSD Staff Stan Boyd, Peter Weed, Ed Bradford, Scott Powell, Mike Stamey, Ken Stines, Matthew Walter, Jim Hemphill, Angel Banks, Pam Thomas, Julie Willingham and Sondra Honeycutt.

Mr. Vehaun welcomed new Board Member Matt Ashley, appointed by the Town of Montreat to fill the unexpired term of Steve Aceto. Mr. Ashley said he has been a part of the Town of Montreat since 1975 and when asked by the Mayor of Montreat if he was interested in filling the term of Steve Aceto, he checked with Steve to see what level of satisfaction he might gain from serving. He said Steve spoke very highly of the Board and Staff and he is honored to have been chosen and looks forward to serving. He further stated he has been a carpenter and builder for the last 30 years and last February signed on with Greybeard Realty after obtaining his Brokers license in Real Estate. Vice Chair Glenn Kelly presented Mr. Ashley with the traditional manhole puller.

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

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

**3. Approval of Minutes of the July 17, 2013 Board Minutes:**

Mr. VeHaun asked if there were any changes to the Minutes of the July 17, 2013 Board Meeting. With no changes, Ms. Frost moved for approval of the minutes as presented. Mr. Stanley seconded the motion. Voice vote in favor of the motion was unanimous.

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

None.

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

Mr. VeHaun welcomed Ms. Tessier, Mr. Dierkes, Mr. Collins and Mr. Jones. There was no public comment.

**6. Report of General Manager:**

Mr. Hartye reported that earlier this month Chairman VeHaun gave CIBO an update on the activities of MSD and there was a lot of talk about the impacts of recent rains and how that affects storm water and sanitary sewers. He further reported that on today's agenda is a large project that involves the emissions systems for the incinerator which is a two phase project. The first phase is rehab and the second phase is an upgrade pursuant to new regulatory requirements being mandated by the EPA which require more stringent air emission requirements. Although the new Federal Rule is being challenged in court, it currently remains standing. By the way of background, he stated that the treatment plant originally constructed in 1968, was a 25 MGD plant, and was upgraded

in the mid 1990's to a 40 MGD plant. During the last ten years MSD has replaced various process components throughout the plant. He called on Mr. Bradford for a presentation on some of the larger projects.

Mr. Bradford reported he will give a short presentation on the MSD Water Reclamation facility improvements since 1999. He presented an aerial view of the treatment facility showing the location of various treatment processes. He presented slides showing the Influent Barscreens (1999-2000), and Influent Pump Station. He stated that all of the influent that comes into the plant comes to the main influent pump station. He presented slides showing the Sodium Hypochlorite Facility (2000-2001); the facility from Riverside Drive; a view from the opposite side of the building showing tank bays and the interior showing the tanks containing hypochlorite, which is liquid chlorine, used to disinfect. He presented slides showing the Septage Receiving Facility completed in 2005. This is where MSD Vac Trucks and Septage Haulers dump their waste and is also a revenue generating facility for MSD. During the last fiscal year this facility generated approximately \$244,000. Mr. Bradford presented a slide showing the Grit & Grease Process completed in 2008, which was a Facilities Plan recommendation and a slide showing the grit dumpsters. He presented slides showing the Rotating Biological Contractors (RBC's) and blowers for the RBC's, which were replaced. He stated MSD is the largest RBC plant in the world by number of shafts. He presented a slide showing the Dechlorination Facility, which is a requirement of the State. This facility was designed and constructed in 2008 by staff. He presented a slide showing the Intermediate Pump Replacement project of 2011 and slides showing the old system, hydraulic drive units and the intermediate pumps. He stated the new pumps are more efficient and far quieter than the old hydraulic-driven system, and is a Facilities Plan replacement project; saving the District about \$72k per year. Mr. Bradford presented a slide showing the final Microscreen Replacement-AquaDisk Filtration System of 2013; a Facilities Plan recommendation, and slides showing the old system; building interior prior to construction and when construction was complete. He stated that this system resulted in a 60% reduction in Total Suspended Solids (TSS) since coming on-line last year.

Regarding the Plant Electrical System (full backup power), Mr. Bradford reported that originally some work was done in 1999 and some is being done now. The original item that went on-line is the back-up generator in 1999. The Auto-transfer Switch and Broadway interconnect is now complete. The Internal Power Distribution System and full Backup Power, to power the entire plant during a power outage, will be complete in the fall. He presented a slide showing the Hydroelectric facility, which offsets \$30k per month of electrical use at the plant as well as MSD receiving energy conservation credits. He presented slides showing one of three turbines at the facility; replacement of the Variable Pitch Turbine, and the Control Panel to be replaced.

Mr. Bradford presented slides showing the Incineration Facility; the outside of the facility; the Dewatering facility – Belt Filter Press; replacement of the refractory lining and the incinerator from the top and bottom floors. He reported that the emissions project being considered today was presented to the CIP Committee in April, 2013, with the main driver being the new Federal rule from EPA. Also, some rehabilitation is required. He further reported that MSD issued an RFQ for this project and four (4) well-qualified consultants responded, which will be reviewed under the agenda item following the Consolidated Motion Agenda. Regarding the Facilities Plan, he stated this is a detailed document which assesses the condition, performance and future needs of the various unit processes at the plant that has guided multiple projects. The last project to be completed was the AquaDisk installation. Also, Staff will issue an RFQ/RFP in October, 2013. He presented a summary of Plant Capital Improvements since 1999 and stated \$24.6 million is being reinvested back into plant processes. The Incinerator System Rehabilitation and Emissions Systems Upgrades are estimated at \$7.9 million, however, with the challenge in court that may change. Mr. VeHaun stated that throughout the presentation, he was impressed at how clean the plant is and for anyone who has not yet

toured the facility it is worthwhile. Mr. Hartye suggested the Board take a tour of the plant following the October Board Meeting.

Mr. Hartye reported the next regular Board Meeting will be September 18<sup>th</sup> at 2 p.m. There will not be an August ROW Committee meeting. The next Right of Way Meeting will be held September 25<sup>th</sup> at 9 a.m.

**7. Report of Committees:**

**Personnel Committee**

Mr. Stanley reported the Personnel Committee met August 1, 2013 to consider the evaluation of the General Manager. Mr. Hartye presented MSD's 2013 Goals and Objectives and a discussion was held regarding the potential organizational structure of the District if MSD were to obtain the Water Department. He stated that Mr. Hartye has done a great job of handling situations under less than favorable conditions. He further reported the Personnel Committee recommends giving Mr. Hartye a 2.1% salary increase along with a 6% one-time bonus. He moved the Board approve the recommendation of the Personnel Committee. Mr. Watts seconded the motion. Mr. Russell suggested going into closed session to discuss the evaluation of the General Manager for the benefit of those Board Members who were not in attendance. Mr. Stanley moved that the Board go into closed session. Ms. Manheimer said she would appreciate that opportunity and seconded the motion. Voice vote in favor of the motion was unanimous.

At 2:26 p.m. the Board went into closed session to discuss the evaluation of the General Manager.

At 2:40 p.m. the Board went back into open session.

With no further discussion regarding the motion and second to approve the recommendation of the Personnel Committee, Mr. VeHaun called for the question. Roll call vote was as follows: 9 Ayes; 2 Nays, Ms. Manheimer and Mr. Pelly.

**8. Consolidated Motion Agenda:**

**a. Consideration of Bids for Sanitary Sewer Rehabilitation Projects - Mount Vernon Place Phase I and Merrimon Avenue @ Colonial Place:**

Mr. Hartye reported these projects are for the replacement of aged eight-inch vitrified clay and PVC sewer lines. The lines are located in North Asheville and are comprised of 981 linear feet of 8-inch DIP. The contract was advertised and the following bids were received on July 25<sup>th</sup>: Cana Construction with a total bid of \$438,512.00; Huntley Construction Company with a total bid of \$364,594.95 and Terry Brothers Construction Co., with a total bid of \$276,365.00. Staff recommends award of this contract to Terry Brothers Construction Co. in the amount of \$276,365.00, subject to review and approval by District Counsel.

**b. Consideration of Bids for Sanitary Sewer Rehabilitation Project – Bradley Branch Road Phase II:**

Mr. Hartye reported this project is located in South Asheville and is for the replacement of an aged six and eight-inch vitrified clay sewer line which has caused multiple SSO's and repeated maintenance over time. The line is comprised of 3,231 linear feet of 8-inch & 10-inch DIP, and 8-inch HDPE. The contract was advertised and the following informal bids were received on July 30<sup>th</sup>: Huntley Construction Co. with a total bid of \$468,543.50; Buckeye Construction Co., with a total bid of \$398,224.70 and Terry Brothers Construction Co., with a total bid of \$314,860.00.



Staff recommends award of the contract to Terry Brothers Construction Co. in the amount of \$314,860.00, subject to review and approval by District Counsel.

**c. Procurement of New Vactor Truck Model 2115-18 Plus Vacuum Jet Rodding Machine – Fleet Replacement:**

Mr. Hartye reported that System Services has an on-going preventative maintenance program utilizing a combination of sewer cleaners. MSD is required by the State DWQ Waste Water Permit to clean 10% (600,000lf) of the entire system every year. The purchase of this Vactor will replace MSD's first Vactor Truck, which has been in MSD's fleet for over 13 years and has cleaned 2.5 million feet of sewer line. MSD annually evaluates the condition of fleet vehicles. At the March 12, 2013 Fleet Replacement Committee meeting, members recommended the purchase of one (1) New Vactor Replacement. This purchase was included in the FY2013-2014 Budget. He further reported that pursuant to North Carolina Purchasing Statute G.S. 143-129(e)(3) and MSD Purchasing Procedures, MSD, as a local government, is allowed to purchase from suppliers who are selected through a group purchasing program that is a "formally organized program that offers competitively obtained purchasing products or services at discount prices to two or more public agencies." The National Joint Powers Alliance (NJPA) is one such group purchasing program. Vactor Manufacturing, a manufacturer of SewerVac Trucks, was awarded a contract under the NJPA cooperative. Public Works Equipment, Monroe, NC is the Vactor authorized distributor for their Southeast territory. The cost per the NJPA contract for the Vactor Truck is \$344,980.65, offering a savings to MSD of over \$40,000 from regular dealer pricing. Staff recommends award of the bid from Public Works Equipment in the amount of \$344,980.65.

**d. Reimbursement Resolution for Bond Projects:**

Mr. Powell reported, to be in compliance with IRS regulations concerning tax-exempt financing, all expenditures made with non-MSD bond funds and to be reimbursed from MSD bond funds, must be properly identified and authorized. The proposed reimbursement resolution identifies major projects intended to be solely or substantially financed by bonds to be issued in FY 13-14. Board approval is required to obtain the tax-exemption of interest paid on MSD bonds by authorizing reimbursement from bond proceeds for the expenditures for the attached project listing.

**e. Fourth Quarter Budget to Actual Review – FY 2013:**

Mr. Powell reported Domestic Revenue is at budgeted expectations. Staff believes Domestic User Fee variance will end up around 101% when June accounts receivable data is received from its Member Agencies in September. Industrial Revenue trended below budgeted expectation due to decreased consumption from two (2) of its industrial users. Facility and Tap Fees are above budgeted expectations. This is due to the District receiving \$780,000 from one development at the end of the year as well as the conservative nature in which these funds are budgeted. Interest and miscellaneous income are above budgeted expectations. This is a direct result of the District selling renewable energy credits associated with the Hydroelectric Facility as well as receiving \$314,000 from the termination of the District's forward delivery agreement in August 2012. Investment income is still experiencing recessionary pressures on the fixed income market. O&M expenditures are at 92.9% of budget. This amount may vary slightly from audited numbers due to final accruals. Bond principal and interest are slightly better than budgeted expectations. This is a direct result of variable rate interest savings. Capital project expenditures are at approximately 84% of budget. This amount will increase when final accruals are accounted for.

**f. Cash Commitment/Investment Report – Month Ended June 30, 2013:**

Mr. Powell reported that Page 30 is the makeup of the District's Investment Portfolio. Page 31 is the MSD Investment Manager Report as of the month of June. The weighted average maturity of the investment portfolio is 381 days. The yield to maturity is .81% and exceeds MSD bench marks of the 6 month T-Bill and NCCMT cash portfolio. Page 34 is the MSD Variable Debt Service Report. The 2008 A Series are performing better than budgeted expectations. As of the end of July, the issue saved District rate payers \$2.9 million dollars in debt service since April, 2008.

Mr. VeHaun called for discussion. Mr. Russell asked why the Investment Portfolio shows a cash reserve of \$0 beginning in April, 2013. Mr. Powell stated this is due to the timing of the Revenue Bond Refunding beginning in April, 2013. With no further discussion, Mr. VeHaun called for a motion. Mr. Watts moved the Board approve the Consolidated Motion Agenda as presented. Mr. Russell seconded the motion. Roll call vote was as follows: 10 Ayes; 0 Nays. Mr. Stanley was absent during the vote.

**9. Consideration of Incinerator Emissions System Rehabilitation & Upgrade Project – Design and Construction Services Contract:**

Mr. Hartye introduced Hunter Carson, Project Manager for MSD to give a background presentation for this item. Mr. Carson reported that during Phase 1 of the project they will be repairing or replacing some failing components of the incinerator; specifically the Venturi Scrubber, Heat Exchanger and Exhaust Duct Work. He presented a slide showing the Venturi Scrubber which is an integral part of the particulate removal system and is subject to high velocities in the system; high temperatures and sees a lot of grit that is collected into the system. He stated with all of this combined they are seeing erosion of this unit and over the past two years, repairs to this unit have been made four or five times. He presented a slide showing the Heat Exchanger, which is a waste heat recovery system. He stated there are a lot of corrosion issues in the Heat Exchanger Vessel due to acidic gasses that come through the incinerator system. Those gases condense on the inside of the unit deteriorating the steel from the inside out, so this unit will be replaced as well.

Mr. Carson reported that Phase II will include the implementation of control strategies for Maximum Achievable Control Technology (MACT) standards. He stated the MACT were passed by the EPA in 2011 and included new emission limits for ten (10) constituents. The rules were recently appealed by NACWA. A decision was made yesterday that the EPA will go back and look at the scientific and technical basis of those standards. As it stands now, MSD must comply with the limits by March 21, 2016. Since this ruling is not finalized, Phase II is still somewhat up in the air. However, several constituents will have to be removed to lower levels from MSD emissions, which our current technology does not take care of; Mercury being the biggest one. MSD will have to upgrade its system to include a Carbon Bed Absorber. Sulfur Dioxide is another one where MSD will have to add a Caustic Storage and Feed System to the Incinerator system. Also, EPA has reduced the effluent limit for particulate matter, which MSD cannot achieve with its existing Venturi Scrubber, so MSD will have to put in a Multi-Venturi Scrubber which will bring down the limits to MACT standards.

Regarding the selection process, Mr. Carson reported that MSD used a typical process for public agencies and issued a Request for Qualifications (RFQ) in June. A month later the design firms submitted qualification packages which were reviewed to determine what firms were qualified to do the work. The firms that were selected were interviewed and the Selection Committee selected the most qualified firm and negotiated a proposal. He further reported the RFQ contents included background information on the Incinerator system; introduced the two-phased approach to the project; identified the new MACT limits and added a disclaimer about Phase II in the event the NACWA ruling does overturn the EPA rule. Also, they added a General Scope of Work for the Design

Firm that includes a Preliminary Engineering Report; design plans and specs; cost estimate, permitting and part-time construction inspection and technical report. They also added a few specific requests to the RFQ that include working closely with MSD staff during the design and equipment selection process; evaluate all treatment technologies; minimize incinerator system down time; utilize existing footprint of the Incinerator building and complete Phase II work in a timely manner and meet all compliance dates.

Mr. Carson reported that Statement of Qualifications (SOQ's) was received from the following firms: ARCADIS, CDM Smith, GHD and Hazen & Sawyer. He stated that all four firms were deemed qualified and all firms were interviewed. He stated the firms were ranked using a Consultant Evaluation Form with weighted scoring. The Selection Committee decided that the most qualified candidate was CDM Smith who had extensive incinerator system experience. During the past 10 years they have permitted and designed eleven (11) Fluidized Bed Incinerators (FBI's). Also, CDM Smith focused on existing maintenance issues and how they will be addressed and, they addressed all requests from the RFQ; specifically the construction approach and sequence. The Selection Committee recommends CDM Smith be awarded the design contract. Mr. Watts ask if there is any market for the heat coming off the Heat Exchanger. Mr. Hartye stated at one time there was a boiler with the incinerator, but the cost associated with the upkeep of the boiler outweighed the benefits. However, there is a great deal of heat recovered and used and recycled within the wind box at the bottom of the incinerator. Mr. Hartye went over the attachments for this item. He reported that Staff recommends award of the design and construction management services contract to CDM Smith in the amount of \$764,065.00, subject to review and approval by District Counsel. He stated that Phase II, regarding the emissions requirements, will be initiated only if the court allows the EPA Federal Rule to stand. Ms. Manheimer asked what the cost of Phase II will be. Mr. Hartye said \$6.7 million, which is largely equipment costs. With no further discussion, Ms. Manheimer moved the Board approve the recommendation of Staff. Mr. Russell seconded the motion. Roll call vote was as follows: 11 Ayes; 0 Nays.

**10. Old Business:**

None

**11. New Business:**

None

**12. Adjournment:**

With no further business, Mr. VeHaun called for adjournment at 3:12 p.m.

---

Jackie W. Bryson, Secretary/Treasurer

# MEMORANDUM

TO: MSD Board  
FROM: Thomas E. Hartye, P.E., General Manager  
DATE: September 12, 2013  
SUBJECT: Report from the General Manager

- Treatment Plant Tour and Presentation

After the **October** Board Meeting (weather permitting) we will give a tour of the Regional Treatment Plant for all Board Members who can stay on. During the meeting Peter Weed will give a virtual tour of the plant, pump stations and hydro-electric facility.

- Update on HB488

William Clarke will give an update on the legal process that is underway.

- Thank you Letter from Steve Aceto

Attached is a thank you letter from Steve Aceto.

- United Way Golf Tournament

The annual MSD – United Way Golf Classic will be held Friday October 4<sup>th</sup> at Broadmoor – 9am shotgun start. Contact Peter Weed or Sheila Kilby.

- Kudos

- Irene Dillingham of Montreat Rd. called on August 7<sup>th</sup> to express gratitude for the work performed at her house. Thanks to Roy Lytle, Robert Denny, Josh Matthews, Mitchell Metcalf, Tommie Brooks and Wayne Rice.
- MSD received an email from Kristen Lee Of Vivax-Metrotech Corp. regarding Amy Alexander.
- Attached is an email from Jon Arge of Warwick Road in Kenilworth regarding the crew of Roy little, John Gosnell Robert Denny and Dale Dillingham.

- Board/Committee Meetings

The next Right of Way Meeting will be held on September 25<sup>th</sup>, at 9am. The next Regular Board Meeting will be October 16<sup>th</sup>, at 2 pm. The employee picnic will be held Thursday Sept. 19<sup>th</sup> out behind the Maintenance Facility.

**ACETO LAW OFFICE P.A.**

181 CHARLOTTE STREET  
ASHEVILLE, NORTH CAROLINA 28801

TELEPHONE ~~828-251-9079~~  
FAX 828-350-8101  
WWW.ACETOLAW.COM

STEVEN T. ACETO  
C.J. HUNTER PLEMMONS

Writer's direct email [steve@acetolaw.com](mailto:steve@acetolaw.com)

September 9, 2013

Board of Directors  
General Manager and Staff  
Metropolitan Sewerage District of Buncombe County  
2028 Riverside Drive  
Asheville NC 28804

Dear Friends;

Thank you for the Board retirement feast for which my white shirt will forever bear witness to the spaghetti sauce, for your many kind remarks including particularly kind letters from staff, and for the suitably framed manhole puller/gavel. The latter item now hangs in a certain place of honor in my home with other MSD memorabilia, where guests are certain to see it and the next stop is in Woodfin.

Always I will remain sincerely thankful for the great privilege of serving with each of you.

Very Truly Yours,

  
Steven T. Aceto

**Subject:** Kudo's:

**Date:** Monday, August 26, 2013 8:50:54 AM Eastern Daylight Time

**From:** Hemphill, Jim

**To:** Thomas, Pam, Hartye, Tom

-----Original Message-----

**From:** Kristin Lee [<mailto:kristin.lee@vxmt.com>]

**Sent:** Friday, August 23, 2013 5:15 PM

**To:** Powell, Scott

**Cc:** Hemphill, Jim

**Subject:**

Hello Mr. Powell,

I had the benefit of working with Amy Alexander on a sales tax issue with her invoices from us and she helped me pinpoint a flaw in our sales tax settings. We have a sales tax program attached to QuickBooks. It was reading our item for labor as tangible personal property so it flawed how sales tax was calculating for the freight out item. Amy helped me to better clarify the issue to my software company and spoke with my contact at the software company. I appreciate her going out of her way and helping me to get the problem solved. This is what I wrote to her this afternoon:

Here you go, we were able to actually get our sales tax software supplier to set our labor items up properly...and test it themselves!!! So today I rolled out better invoices than I have in about three years!! Thank you for working on this with me. You would have laughed if you could have heard some of my conversations with them. Thanks for hiring someone that works so well with others!

Best regards,

Kristin Lee

A/R Specialist

Vivax-Metrotech Corporation

[Kristin.Lee@vxmt.com](mailto:Kristin.Lee@vxmt.com)

PH: 408-734-3880x5226

**Subject:** FW: Work along Warwick Road in Kenilworth

**Date:** Tuesday, September 3, 2013 3:04:07 PM Eastern Daylight Time

**From:** Tolley, Lisa

**To:** Hartye, Tom

**CC:** Hemphill, Jim, Thomas, Pam

The crew included Roy Lytle, Dale Dillingham, Robert Denny, and John Gosnell. W:207071

---

**From:** Stamey, Mike

**Sent:** Tuesday, July 23, 2013 11:36 AM

**To:** Stines, Ken

**Cc:** Tolley, Lisa

**Subject:** FW: Work along Warwick Road in Kenilworth

FYI – See below.

**From:** Arge [<mailto:artofarge@gmail.com>]

**Sent:** Tuesday, July 23, 2013 11:22 AM

**To:** Stamey, Mike

**Subject:** Re: Work along Warwick Road in Kenilworth

Mike,

They are and your crews are extremely courteous and clearly focused.

I appreciate the quick response of your office to my emails and it is a pleasure watching how well this city runs and works with itself (the ART bus driver and one of your crew had a very pleasant exchange about the road closure and there was no drama)

I moved here from the metro Atlanta area about 1 1/2 years ago and believe me, after 15 years in that city, I marvel how efficiently Asheville runs and delight in how nice everyone associated with it is.

Again, thank you.

Jon Arge

On Tue, Jul 23, 2013 at 11:05 AM, Stamey, Mike <[MStamey@msdbc.org](mailto:MStamey@msdbc.org)> wrote:  
Mr. Arge,

Our construction crew should be performing the dig up today. If you have any additional questions or needs, please do not hesitate to call.

Mike Stamey

Michael W. Stamey, PE  
System Services Construction Director  
MSD Of Buncombe County, NC  
2028 Riverside Drive

# Metropolitan Sewerage District of Buncombe County

## BOARD ACTION ITEM

**BOARD MEETING DATE:** September 18, 2013

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

**PREPARED BY:** Ed Bradford, P.E. - Director of CIP  
Roger Watson, P.E. - Project Manager

**SUBJECT:** Sanitary Sewer Rehabilitation Project: Merrimon Avenue @ Stratford Road, Project No. 2004252

**BACKGROUND:** This project is for the replacement of aged sewer lines which serve a residential area immediately west of Beaver Lake. It also includes replacement of a portion of the main interceptor which serves the Beaverdam Creek drainage basin.

The lines are in poor structural condition, which has caused multiple SSO's and repeated maintenance calls over time. Additionally, in one area there are multiple lines which cross each other at different elevations. The rehabilitation project is comprised of 2,460 linear feet of 8-inch through 30-inch DIP.

The contract was advertised and four bids were received on Thursday, August 29, 2013 at 2:00 PM as follows:

<u>Contractor</u>	<u>Bid Amount</u>
1) Buckeye Const. Co.	\$1,000,277.30
2) Ruby-Collins	\$ 858,363.00
3) Huntley Const. Co.	\$ 847,727.51(*)
<b>4) Terry Brothers Const. Co.</b>	<b>\$ 774,177.00</b>

(\*) Contractor did not provide a bid bond; therefore, their bid is rejected.

The apparent low bidder is Terry Brothers Construction Co. with a bid amount of \$774,177.00. Terry Brothers has completed numerous MSD rehabilitation projects, and their work quality has been excellent to date.

Please refer to the attached documentation for further details.

**FISCAL IMPACT:** The FY13-14 Construction Budget for this project is \$804,000.00.

**STAFF RECOMMENDATION:** Staff recommends award of this contract to Terry Brothers Construction Co. in the amount of \$774,177.00, subject to review and approval by District Counsel.



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

**Merrimon Avenue @ Stratford Road Sewer Replacement  
Project No. 2004252**


**BID TABULATION  
August 29, 2013**

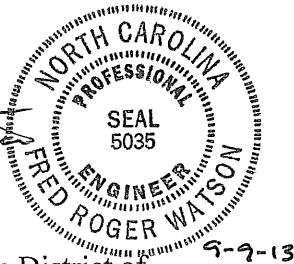
<b>BIDDER</b>	<b>Bid Bond</b>	<b>MBE Form</b>	<b>Bid Forms (Proposal)</b>	<b>Total Bid Amount</b>
Buckeye Construction Company Canton, NC	5%	1	Yes	\$1,000,277.30
Ruby-Collins, Inc. Smyrna, GA	5%	2	Yes	\$858,363.00
Huntley Construction Company Asheville, NC	(*)	1	Yes	(**) \$847,727.51
<b>Terry Brothers Construction Co. Leicester, NC</b>	5%	1	Yes	<b>\$774,177.00</b>

**APPARENT LOW BIDDER**

(\*) Huntley Construction Co. did not provide a bid bond

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

  
F. Roger Watson, 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 August, 2013, in the W.H. Mull Building at the Metropolitan Sewerage District of Buncombe County, Asheville, North Carolina, and that said bids (other than the one indicated) were accompanied by acceptable bidders bonds in the amount of 5% of the bid.

# Interoffice Memorandum

**TO:** Tom Hartye, General Manager

**FROM:** Ed Bradford, CIP Manager  
Roger Watson, Project Engineer

**DATE:** September 9, 2013

**RE:** Merrimon Avenue @ Stratford Rd. Sanitary Sewer Rehabilitation Project,  
MSD Project No. 2004252

This project is for the replacement of existing 8" and 10" sewer mains which serve businesses and residences in the area of Merrimon Avenue and Beaver Lake. It also includes replacement of a portion of the 24" interceptor which serves the Beaverdam drainage basin.

This project includes 245 LF 8" DIP, 1224 LF 12" DIP, and 991 LF 30" DIP for a total of 2460 LF of main line pipe. There are two roadway bores and two creek crossings. A new 30" DIP sewer will replace the existing 10" and a portion of the existing 24" sewer which is now located between Beaverdam Creek and Merrimon Avenue. The existing 10" and 24" lines will be abandoned and the new 30" line will be constructed on the south side of Beaverdam Creek.

This is a difficult project. In one area, the lines have been laid on top of each other such that there are three levels of sewer mains in the same vicinity.

Bids were received at 2:00 PM on Thursday, August 29, 2013 from four bidders as shown below:

<u>Bidder</u>	<u>Bid</u>
1) Buckeye Construction Co. of Canton, NC	\$1,000,277.30
2) Ruby – Collins of Smyrna, GA	\$ 858,363.00
3) Huntley Construction Co. of Asheville, NC	\$ 847,727.51 (*)
<b>4) Terry Brothers Construction Co., Leicester, NC</b>	<b>\$ 774,177.00</b>

(\*) Contractor did not provide bid bond; therefore, bid is rejected.

Terry Brothers Construction Company of Leicester, NC is the low bidder with a bid amount of \$774,177.00. The FY13-14 construction budget is \$ 804,000.00. Terry Brothers has extensive experience with MSD rehabilitation projects, and has an excellent performance history.

It is recommended that this project be awarded to Terry Brothers Construction Co. in the amount of \$774,177.00, subject to review and approval by District Legal Counsel.

# Metropolitan Sewerage District of Buncombe County, North Carolina

## CAPITAL IMPROVEMENT PROGRAM

### BUDGET DATA SHEET - FY 2013 - 2014

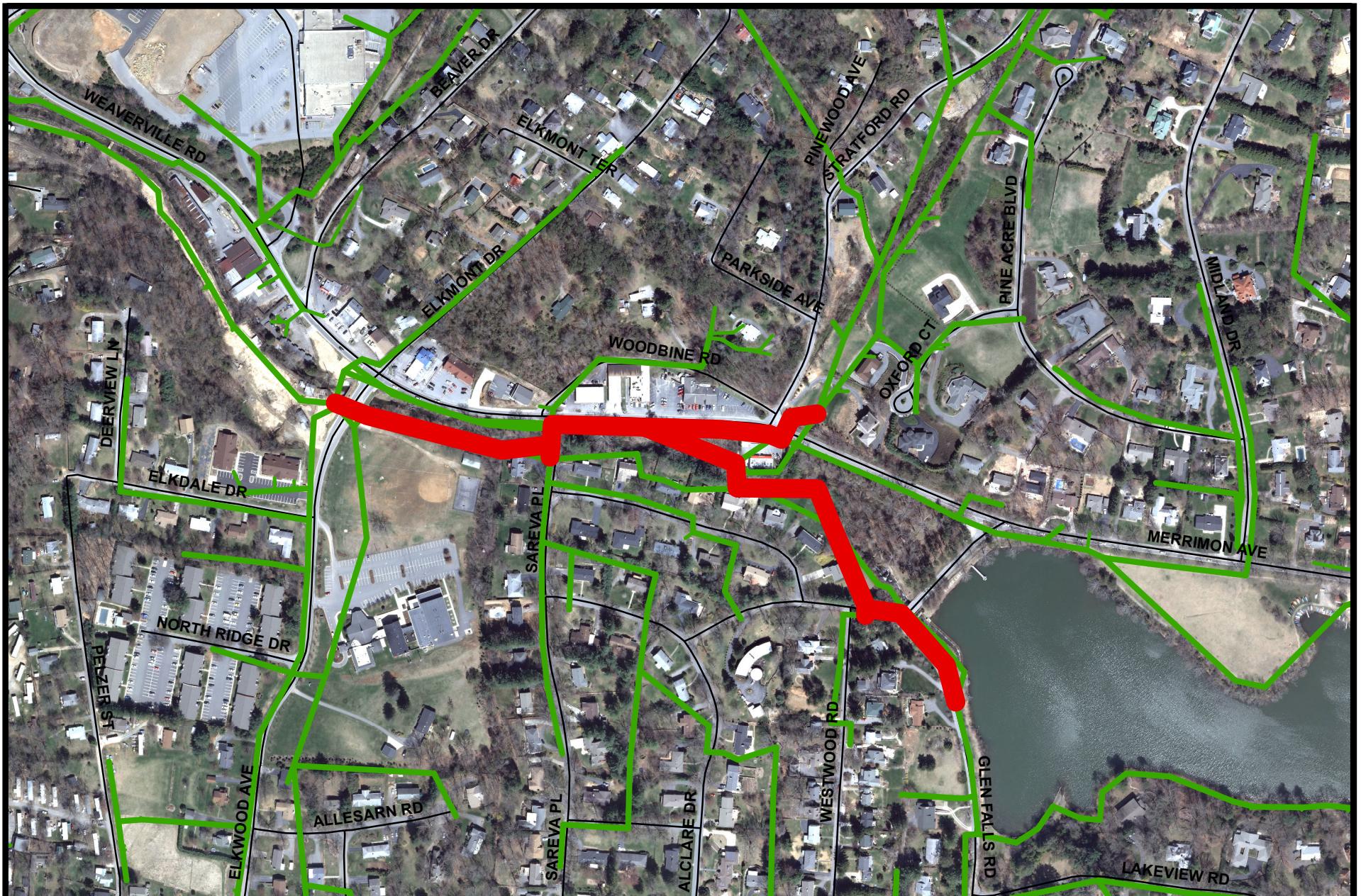
PROJECT:	Merrimon Ave. at Stratford Road	LOCATION:	Asheville
TYPE:	General Sewer Rehab.	DATE OF REPORT:	January 2013
PROJECT NO.	2004252	TOTAL L.F.:	2,355
PROJECT BUDGET:	\$905,400.00	PROJECT ORIGIN:	SSO's, Work Orders, Line Condition

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/12	EST. COST JAN - JUNE 2013	EST. BUDGET FY 13-14
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN	\$14,200.00	\$14,200.00		
55330 - DESIGN				
55340 - PERMITS	\$300.00	\$208.00		
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS	\$5,500.00	\$5,430.00		
55370 - LEGAL FEES	\$7,600.00	\$5,926.00	\$1,675.00	
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION	\$55,900.00	\$44,030.00	\$6,870.00	
55400 - APPRAISAL	\$2,000.00	\$1,250.00		
55410 - CONDEMNATION	\$7,500.00	\$774.00		\$700.00
55420 - CONSTRUCTION	\$804,000.00			\$804,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING	\$2,000.00			\$2,000.00
55450 - SURVEY - ASBUILT	\$6,400.00			\$6,400.00
TOTAL AMOUNT	\$905,400.00	\$71,818.00	\$8,545.00	\$813,100.00

ENGINEER:	MSD	ESTIMATED BUDGETS - FY '14 -'23	
R.O.W. ACQUISITION:	MSD	# PLATS: [ 11 ]	FY 14-15 \$11,750.00
CONTRACTOR:			FY 15-16 \$0.00
CONSTRUCTION ADM:	MSD		FY 16-17 \$0.00
INSPECTION:	MSD		FY 17-18 \$0.00
			FY 18-19 \$0.00
PROJECT DESCRIPTION:	This project extends from the intersection of Elkwood Ave. and Merrimon Ave. to an existing manhole on the west side of Beaver Lake. It will eliminate multiple parallel lines and remove one line from an existing storm drain culvert. It will also relocate one section away from an extremely eroded area just below the Beaver Lake spillway. This system is a high source of inflow and infiltration.		FY 19-20 \$0.00
			FY 20-21 \$0.00
			FY 21-22 \$0.00
			FY 22-23 \$0.00

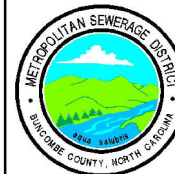
SPECIAL PROJECT NOTES:





**Merrimon Avenue at Stratford Road**  
**Project No. 2004252**

NOT TO SCALE



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

**Budget Map**



# Metropolitan Sewerage District of Buncombe County

## BOARD ACTION ITEM

**BOARD MEETING DATE:** September 18, 2013

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

**PREPARED BY:** Ed Bradford, P.E. - Director of CIP  
Shaun Armistead, P.E. - Project Manager

**SUBJECT:** Water Reclamation Facility: Slide Gate Replacement Project, MSD  
Project No. 2010024

**BACKGROUND:** This project is for the replacement of slide gates for the Rotating Biological Contactors (RBC's) at the plant. These gates control flow within the basins, and also help to maintain the RBC's in good working order.

There are three RBC Basins. The gates in Basin One are operational and function properly. The gates in Basins Two and Three, however, do not work properly and must be replaced.

The contract was advertised and eight bids were received on Thursday, August 29, 2013 at 2:00 PM as follows:

<u>Contractor</u>	<u>Bid</u>
1) RTD Construction, Inc.	\$595,000.00
2) Ruby-Collins, Inc.	\$595,000.00
3) Hickory Construction Company	\$564,100.00
4) Haren Construction Company	\$555,000.00
5) Dellinger, Inc.	\$547,600.00
6) James E. Harris Construction Co.	\$506,686.00
7) Turner Murphy Company, Inc.	\$352,610.00
<b>8) NHM Constructors, LLC</b>	<b>\$288,924.00</b>

The apparent low bidder is NHM Constructors, LLC, with a bid amount of \$288,924.00. NHM is a new company and has not completed any projects for MSD. In addition, their bid is significantly less than the majority of bids. For these reasons, staff further investigated NHM.

NHM is a local company which was formed from an existing company (Taylor-Murphy) at the beginning of 2013. NHM staff visited the plant twice prior to submitting their bid, and asked appropriate questions.

A majority of their work to date has been NCDOT type work, including bridges, culverts, and diversion of water. This is an important point because the most difficult aspect of this project will be to dry out work areas in order to replace the gate assemblies.

Staff also obtained independent references from similar plant-type work that NHM staff previously completed. These references all had favorable comments.

Staff is therefore comfortable to proceed with NHM for this project. Please refer to the attached documentation for further details.

**FISCAL IMPACT:** The FY13-14 Construction Budget for this project is \$600,000.00.

**STAFF RECOMMENDATION:** Staff recommends award of this contract to NHM Constructors, LLC in the amount of \$288,924.00, subject to review and approval by District Counsel.

**Water Reclamation Facility - Slide Gate Replacement  
Project No. 2010024**

**BID TABULATION  
August 29, 2013**

BIDDER	Bid Bond	MBE Form	Bid Forms (Proposal)	Total Bid Amount
RTD Construction, Inc. Zephyrhills, FL	5%	2	Yes	\$595,000.00
Ruby-Collins, Inc. Smyrna, GA	5%	2	Yes	\$595,000.00
Hickory Construction Company Hickory, NC	5%	1	Yes	\$564,100.00
Haren Construction Company Etowah, TN	5%	2	Yes	\$555,000.00
Dellinger, Inc. Monroe, NC	5%	1	Yes	\$547,600.00
James E. Harris Construction Huntersville, NC	5%	2	Yes	\$506,686.00
Turner Murphy Company, Inc. Rock Hill, SC	5%	2	Yes	\$352,610.00
NHM Constructors, LLC Asheville, NC	5%	2	Yes	\$288,924.00

**APPARENT LOW BIDDER**

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



9/4/2013

*Shaun K. Armistead*

This is to certify that the bids tabulated herein were publicly opened and read aloud at 2:30 p.m. on the 29th day of August, 2013, in the W.H. Mull Building at the Metropolitan Sewerage District of Buncombe County, Asheville, North Carolina, and that said bids were accompanied by acceptable bidders bonds in the amount of 5% of the bid.

## Interoffice Memorandum

**TO:** Ed Bradford, CIP Manager

**FROM:** Shaun Armistead, Project Manager

**DATE:** September 5, 2013

**RE:** MSD Slide Gate Replacement, Project No. 2010024

The Slide Gate Replacement project is located at the Water Reclamation Facility. This project consists of purchase and installation of 31 slide gates in the rotating biological contactor basins 2 and 3, replacing the current non-functioning slide gates, as well as replacing a non-functioning plug valve at the head of basin 2. This project will enable plant staff to isolate portions of rotating biological contactor basins 2 and 3, allowing for easier cleaning and maintenance.

Eight bids were received on Thursday, August 29, 2013, as follows:

<u>Contractor</u>	<u>Bid</u>
1) RTD Construction, Inc.	\$595,000.00
2) Ruby-Collins, Inc.	\$595,000.00
3) Hickory Construction Company	\$564,100.00
4) Haren Construction Company	\$555,000.00
5) Dellinger, Inc.	\$547,600.00
6) James E. Harris Construction Co.	\$506,686.00
7) Turner Murphy Company, Inc.	\$352,610.00
<b>8) NHM Constructors, LLC</b>	<b>\$288,924.00</b>

The FY13-14 construction budget for this project is \$600,000.

NHM Constructors, LLC is the apparent low bidder for this contract with a bid amount of \$288,924.00. NHM Constructors, LLC is a new contractor to the CIP Division, and as such, staff conducted a review of the company's qualifications.

Aaron Creasman of NHM Constructors, LLC, was contacted concerning the company's experience and their water diversion plans. Personnel involved in this project have extensive experience with slide gate and valve installation at treatment plants. The company plans to use either cast concrete cofferdams with inflatable seals or welded metal frames with stop-logs to divert the water from the work areas.

Staff recommends award of this contract to the NHM Constructors, LLC, contingent upon review and approval by District counsel.



## **Reference Review for NHM Constructors, LLC**

September 9, 2013

Completed by Shaun Armistead and Mike Schraven

**1. JC Bumgarner**

Connestee Falls, NC  
828-658-1704

Contractor installed an 80' deep slide gate at Connestee Falls. Mr. Bumgarner stated that the contractor did excellent work for them and was very responsive to their needs.

**2. Jeff Madden**

Cashiers Lake, NC  
828-399-0650

Contractor installed valves at Cashiers Lake. Mr. Madden stated that the contractor's work was exemplary, they were very knowledgeable and communicative, and he would recommend them to anyone needing this kind of work done.

**3. Harlow Brown  
Brown Engineering  
350-7683**

Contractor installed new intake for City of Brevard water treatment plant. Mr. Brown stated that the city and his engineering firm were very satisfied with the contractor's work.

# NHM Constructors, LLC

PO Box 6385 • Asheville, NC 28816  
1121 Brevard Road • Asheville, NC 28806  
Telephone (828) 670-6652 • Fax (828) 670-6636

September 4, 2013

Shaun Armistead  
MSD Buncombe County  
2028 Riverside Dr  
Asheville, NC 28804

RE: Slide Gate Replacement – Experience Summary and Plan of Action

Dear Shaun,

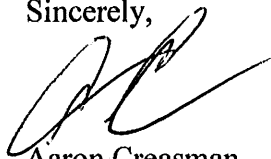
**Company Experience:** NHM Constructors, LLC was formed from an existing company at the beginning of 2013. This year NHM has completed mainly NCDOT work including bridges and culverts. We have dealt with cofferdams and water diversions extensively.

**Personnel Experience:** The foreman and project managers for NHM Constructors have completed several installations of slide gates and valves. Notable projects include: New Intake for the City of Brevard's Water Treatment Plant, Installation of 80' deep slide gate valve in Connetsee Falls, Installation of slide gate valve at Carriage Park and Installation of valves at Cashiers Lake.

**Plan of Action:** At this point in time we plan to proceed with the work as detailed in the specifications. If we feel we can determine a quicker way to perform the project, we will inform MSD of our thoughts and discuss whether a new plan can be devised.

If you have any questions or require any additional information, please contact me at your earliest convenience. Thank you for this opportunity.

Sincerely,



Aaron Creasman  
Project Manager

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

**BUDGET DATA SHEET - FY 2013 - 2014**

PROJECT:	Slide Gate Repair	LOCATION:	MSD-Treatment Plant
TYPE:	Treatment Plant	DATE OF REPORT:	January 2013
PROJECT NO.	2010024	TOTAL L.F.:	0
PROJECT BUDGET:	\$600,000.00	PROJECT ORIGIN:	Failing equipment in RBC basins

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/12	EST. COST JAN - JUNE 2013	EST. BUDGET FY 13-14
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN				
55330 - DESIGN				
55340 - PERMITS				
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS				
55370 - LEGAL FEES				
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION				
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$600,000.00			\$600,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING				
55450 - SURVEY - ASBUILT				
TOTAL AMOUNT	\$600,000.00	\$0.00	\$0.00	\$600,000.00

ENGINEER:	MSD	ESTIMATED BUDGETS - FY '14 -'23	
R.O.W. ACQUISITION:	# PLATS: [ 0 ]	FY 14-15	\$0.00
CONTRACTOR:		FY 15-16	\$0.00
CONSTRUCTION ADM.:	MSD	FY 16-17	\$0.00
INSPECTION:	MSD	FY 17-18	\$0.00
		FY 18-19	\$0.00
PROJECT DESCRIPTION:	This project will replace failing slide gates in the RBC basins #2	FY 19-20	\$0.00
	and #3 at the Water Reclamation Facility. These are used to isolate RBC basins for maintenance.	FY 20-21	\$0.00
	The existing gates are no longer operable.	FY 21-22	\$0.00
		FY 22-23	\$0.00

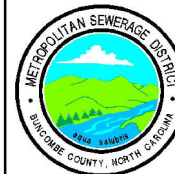
SPECIAL PROJECT NOTES:





**Slide Gate Repair  
Project No. 2010024**

NOT TO SCALE



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

**Budget Map**



# Metropolitan Sewerage District of Buncombe County

## Board Action Item

BOARD MEETING DATE: September 18, 2013

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

PREPARED BY: Kevin Johnson

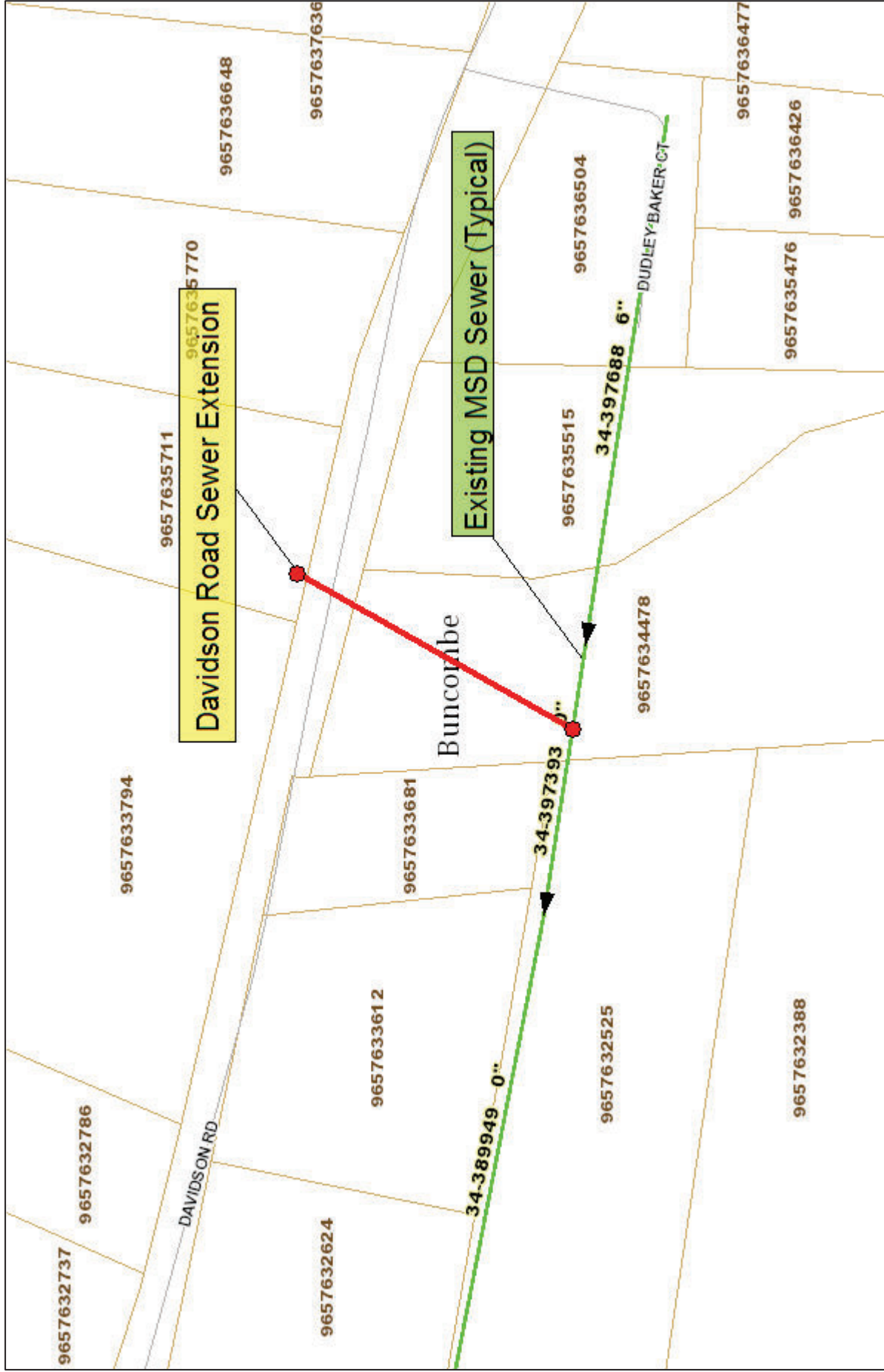
REVIEWED BY: Stan Boyd, PE, Engineering Director

SUBJECT: Acceptance of Developer Constructed Sewer System for the Davidson Road Sewer Extension Project.

BACKGROUND: This project is located inside the District boundary off Davidson Road in Buncombe County. The developers of the project are Bruce Alexander and Michael Cook. The project included the installation of approximately 112 linear feet of 8" gravity sewer to serve a three (3) unit residential subdivision. A wastewater allocation was issued in the amount of 900 GPD for the project. The estimated cost of the sewer extension is \$11,200.00.

STAFF RECOMMENDATION: Acceptance of developer constructed sewer system.  
(All MSD requirements have been met)

COMMITTEE ACTION TAKEN	
Motion by :	To: <input type="checkbox"/> Approve <input type="checkbox"/> Disapprove
Second by:	<input type="checkbox"/> Table <input type="checkbox"/> Send back to staff
<input type="checkbox"/> Other:	
BOARD ACTION TAKEN	
Motion by	To: <input type="checkbox"/> Approve <input type="checkbox"/> Disapprove
Second by:	<input type="checkbox"/> Table <input type="checkbox"/> Send back to staff
<input type="checkbox"/> Other:	



## Davidson Road (MSD Project #2004154)

1 in = 50 ft

Date: 9/11/2013

Author:

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

# Metropolitan Sewerage District of Buncombe County

## Board Action Item

BOARD MEETING DATE: September 18, 2013

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

PREPARED BY: Kevin Johnson

REVIEWED BY: Stan Boyd, PE, Engineering Director

SUBJECT: Acceptance of Developer Constructed Sewer System for the Harris Teeter Sewer Extension Project.

BACKGROUND: This project is located inside the District boundary at the intersection of Chestnut Street and Merrimon Avenue in the City of Asheville. The developer of the project is Jasmine Development, LLC. The project included the installation of approximately 790 linear feet of 8" gravity sewer to serve a commercial/retail development. A wastewater allocation was issued in the amount of 9,850 GPD for the project. The estimated cost of the sewer extension is \$64,700.00.

STAFF RECOMMENDATION: Acceptance of developer constructed sewer system.  
(All MSD requirements have been met)

COMMITTEE ACTION TAKEN	
Motion by :	To: <input type="checkbox"/> Approve <input type="checkbox"/> Disapprove
Second by:	<input type="checkbox"/> Table <input type="checkbox"/> Send back to staff
<input type="checkbox"/> Other:	
BOARD ACTION TAKEN	
Motion by	To: <input type="checkbox"/> Approve <input type="checkbox"/> Disapprove
Second by:	<input type="checkbox"/> Table <input type="checkbox"/> Send back to staff
<input type="checkbox"/> Other:	



## Harris Teeter (MSD Project #2011045)

Author:

1 in = 173 ft

Date: 9/11/2013

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



# Metropolitan Sewerage District of Buncombe County

## Board Action Item

BOARD MEETING DATE: September 18, 2013

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

PREPARED BY: Kevin Johnson

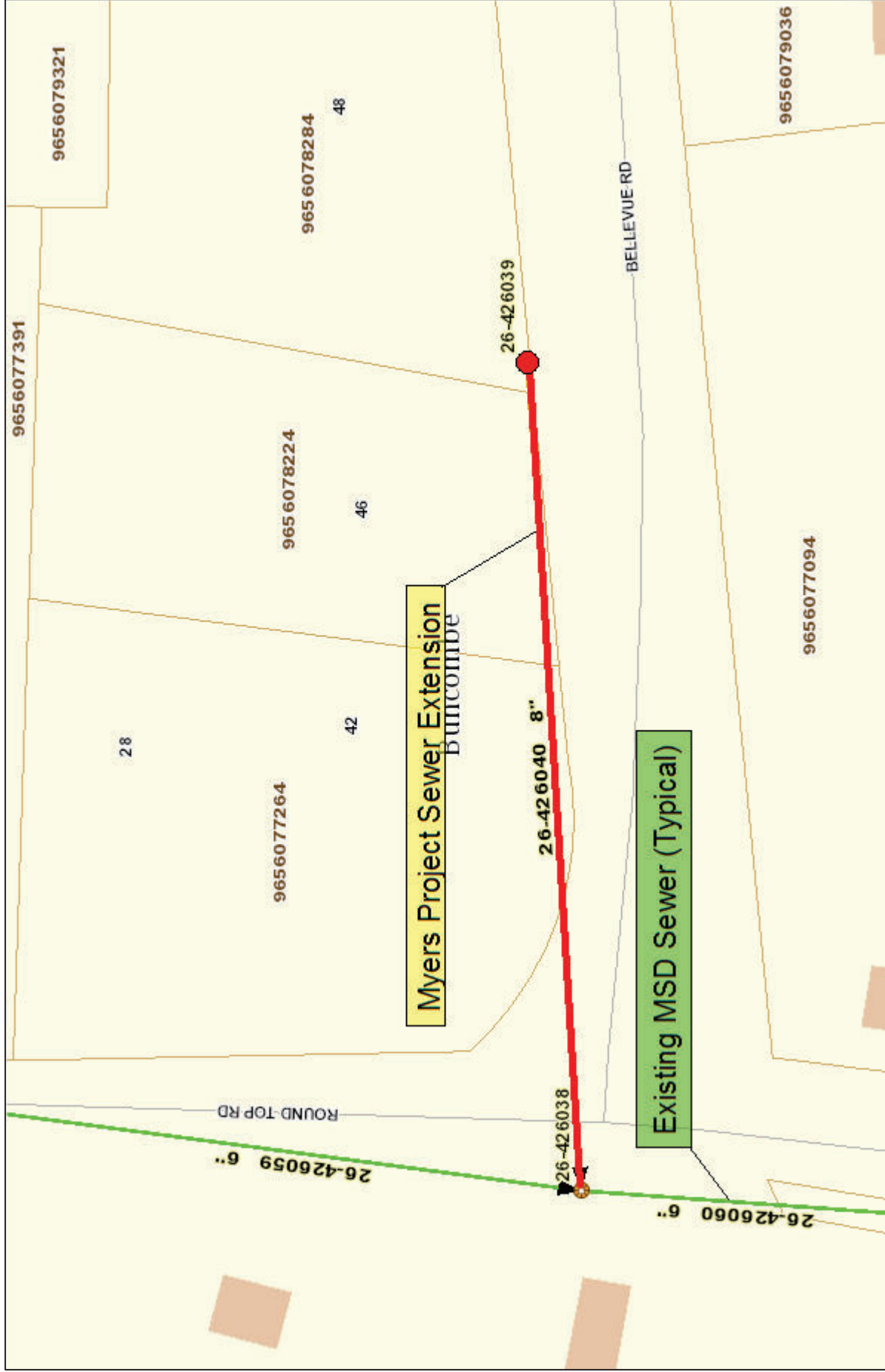
REVIEWED BY: Stan Boyd, PE, Engineering Director

SUBJECT: Acceptance of Developer Constructed Sewer System for the Myers Sewer Extension Project.

BACKGROUND: This project is located inside the District boundary at the intersection of Round Top and Bellevue Road in the City of Asheville. The developer of the project is Jonathan Myers. The project included the installation of approximately 146 linear feet of 8" gravity sewer to serve a five (5) unit residential subdivision. A wastewater allocation was issued in the amount of 1,500 GPD for the project. The estimated cost of the sewer extension is \$26,000.00.

STAFF RECOMMENDATION: Acceptance of developer constructed sewer system.  
(All MSD requirements have been met)

COMMITTEE ACTION TAKEN	
Motion by :	To: <input type="checkbox"/> Approve <input type="checkbox"/> Disapprove
Second by:	<input type="checkbox"/> Table <input type="checkbox"/> Send back to staff
<input type="checkbox"/> Other:	
BOARD ACTION TAKEN	
Motion by	To: <input type="checkbox"/> Approve <input type="checkbox"/> Disapprove
Second by:	<input type="checkbox"/> Table <input type="checkbox"/> Send back to staff
<input type="checkbox"/> Other:	



## Myers Sewer Extension (MSD Project #2011083)

Author: KJ

1 in = 25 ft

Date: 9/10/2013

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

# Metropolitan Sewerage District of Buncombe County

## Board Action Item

BOARD MEETING DATE: September 18, 2013

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

PREPARED BY: Kevin Johnson

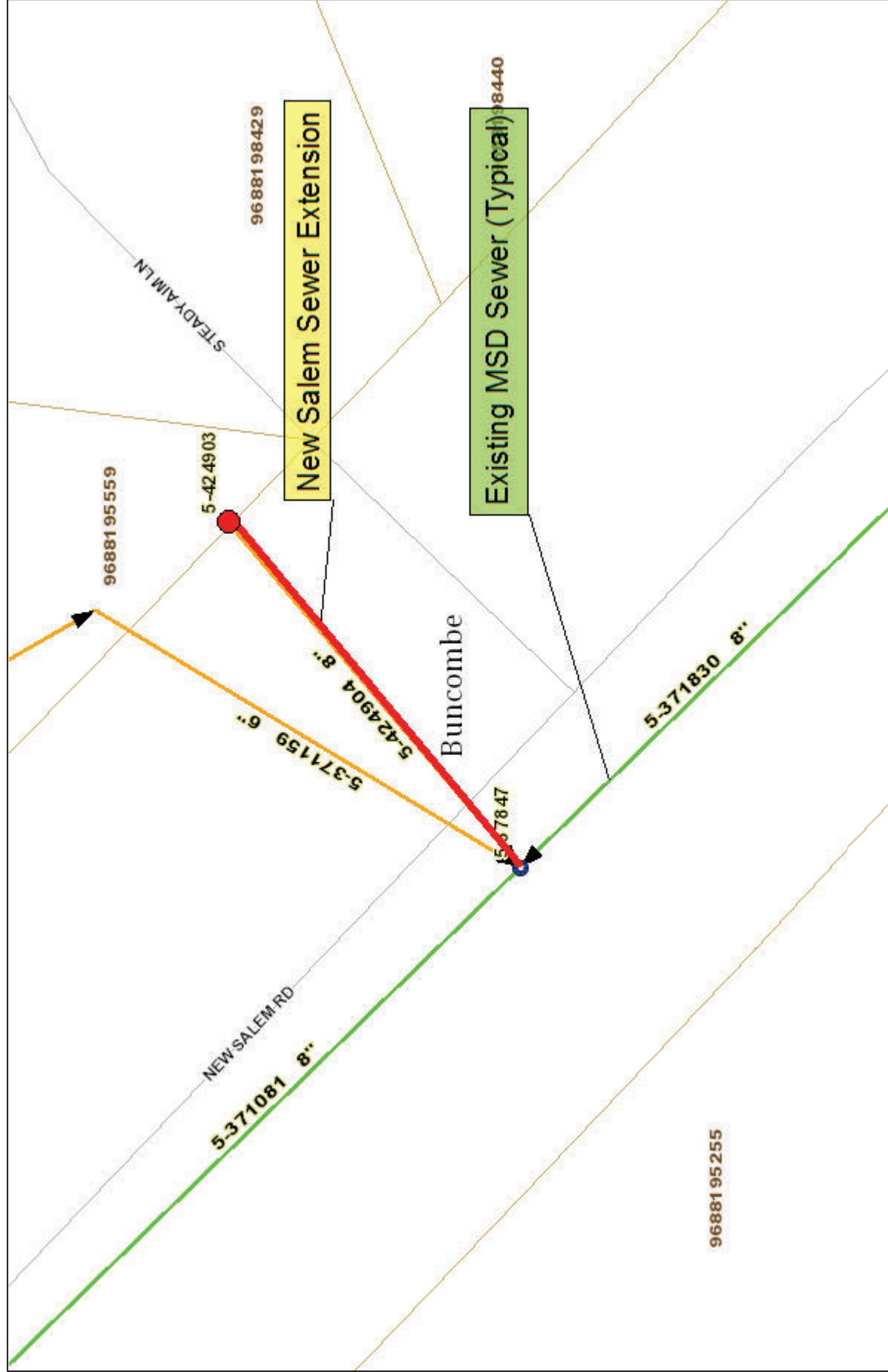
REVIEWED BY: Stan Boyd, PE, Engineering Director

SUBJECT: Acceptance of Developer Constructed Sewer System for the New Salem Road Sewer Extension Project.

BACKGROUND: This project is located inside the District boundary off New Salem Road in Buncombe County. The developer of the project is Steve Rowlinson. The project included the installation of approximately 40 linear feet of 8" gravity sewer to serve a five (5) unit affordable residential subdivision. A wastewater allocation was issued in the amount of 1,000 GPD for the project. The estimated cost of the sewer extension is \$4,950.00.

STAFF RECOMMENDATION: Acceptance of developer constructed sewer system.  
(All MSD requirements have been met)

COMMITTEE ACTION TAKEN	
Motion by :	To: <input type="checkbox"/> Approve <input type="checkbox"/> Disapprove
Second by:	<input type="checkbox"/> Table <input type="checkbox"/> Send back to staff
<input type="checkbox"/> Other:	
BOARD ACTION TAKEN	
Motion by	To: <input type="checkbox"/> Approve <input type="checkbox"/> Disapprove
Second by:	<input type="checkbox"/> Table <input type="checkbox"/> Send back to staff
<input type="checkbox"/> Other:	



## New Salem (MSD Project #2011119)

Author:

1 in = 12 ft

Date: 9/1/2013

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

**Meeting Date:** September 18, 2013

**Submitted By:** Thomas E. Hartye, PE., General Manager

**Prepared By:** W. Scott Powell, CLGFO, Director of Finance  
Cheryl Rice, Accounting Manager

**Subject:** Cash Commitment/Investment Report-Month Ended July 31, 2013

Each month, staff presents to the Board an investment report for all monies in bank accounts and specific investment instruments. The total investments as of July 31, 2013 were \$22,639,926. The detailed listing of accounts is available upon request. The average rate of return for all investments is 1.774%. These investments comply with North Carolina General Statutes, Board written investment policies, and the District's Bond Order.

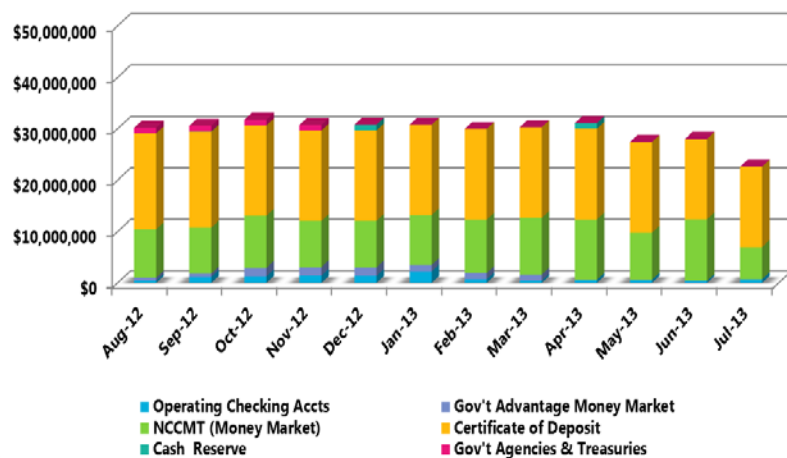
<b>Total Cash &amp; Investments as of 07/31/2013</b>		22,639,926
<b>Less:</b>		
Budgeted Commitments (Required to pay remaining FY14 budgeted expenditures from unrestricted cash)		
Construction Funds	(16,031,628)	
Operations & Maintenance Fund	<u>(13,955,696)</u>	(29,987,324)
Bond Restricted Funds		
Bond Service (Funds held by trustee):		
Funds in Principal & Interest Accounts	(8,910)	
Remaining Principal & Interest Due	<u>(8,502,191)</u>	(8,511,101)
District Reserve Funds		
Fleet Replacement	(464,080)	
WWTP Replacement	(532,361)	
Maintenance Reserve	<u>(913,064)</u>	(1,909,505)
District Insurance Funds		
General Liability	(45,119)	
Worker's Compensation	(202,269)	
Post-Retirement Benefit	(1,092,153)	
Self-Funded Employee Medical	<u>(1,247,997)</u>	(2,587,538)
<b>Designated for Capital Outlay</b>		<u>(20,355,542)</u>

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

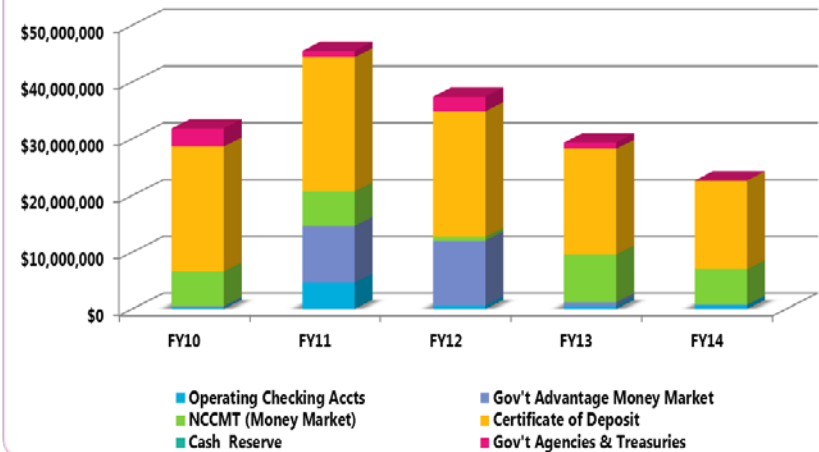
	Operating Checking Accounts	Gov't Advantage Money Market	NCCMT (Money Market)	Certificate of Deposit	Cash Reserve	Gov't Agencies & Treasuries	Total
<b>Held with Bond Trustee</b>	\$ -	\$ -	\$ 8,910	\$ -	\$ -	\$ -	\$ 8,910
<b>Held by MSD</b>	675,702	46,649	6,258,081	15,650,584	-	-	22,631,016
	<u>\$ 675,702</u>	<u>\$ 46,649</u>	<u>\$ 6,266,991</u>	<u>\$ 15,650,584</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ 22,639,926</u>

<u>Investment Policy Asset Allocation</u>	<u>Maximum Percent</u>	<u>Actual Percent</u>	
U.S. Government Treasuries, Agencies and Instrumentalities	100%	0.00%	No significant changes in the investment portfolio as to makeup or total amount.
Bankers' Acceptances	20%	0.00%	
Certificates of Deposit	100%	69.13%	6 month T-Bill and NCCMT Cash Portfolio.
North Carolina Capital Management Trust	100%	27.68%	
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		2.98%	
Gov't Advantage Money Market		0.21%	

**MSD of Buncombe County  
Investment Portfolio - 12 Month Trend**



**MSD of Buncombe County  
Investment Portfolio - As of July 31, 2013**



**Board Meeting:** September 18, 2013

**Subject:** Cash Commitment/Investment Report-Month Ended July 31, 2013

Page -3-

**METROPOLITAN SEWERAGE DISTRICT  
INVESTMENT MANAGERS' REPORT  
AT July 31, 2013**

**Summary of Asset Transactions**

	Original Cost	Market	Interest Receivable
Beginning Balance	\$ 21,438,577	\$ 21,438,577	\$ 384,906
Capital Contributed (Withdrawn)	(753,744)	(753,744)	
Realized Income	381	381	
Unrealized/Accrued Income		-	15,534
Ending Balance	\$ 20,685,214	\$ 20,685,214	\$ 400,440

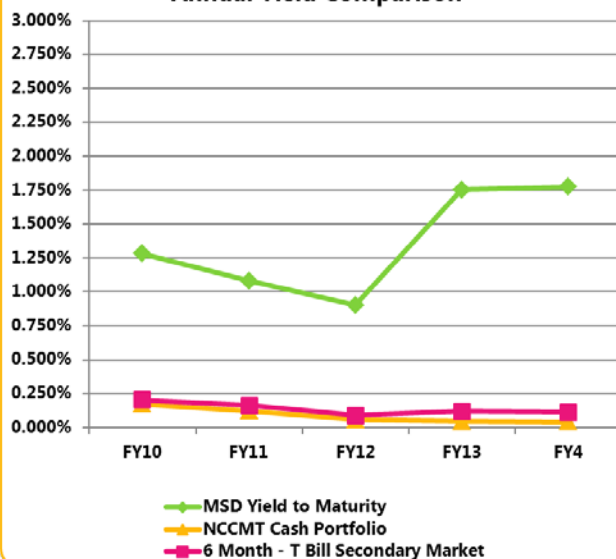
**Value and Income by Maturity**

	Original Cost	Income
Cash Equivalents <91 Days	\$ 5,034,630	\$ 3,874
Securities/CD's 91 to 365 Days	15,650,584	\$ 12,041
Securities/CD's > 1 Year	-	\$ -
	\$ 20,685,214	\$ 15,915

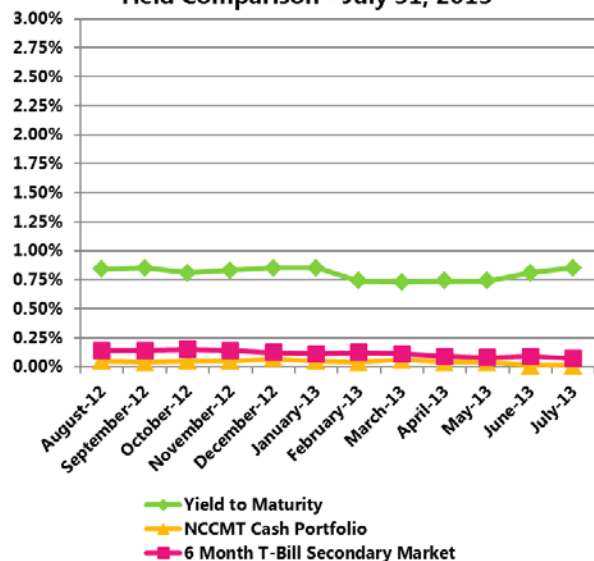
**Month End Portfolio Information**

Weighted Average Maturity	371
Yield to Maturity	0.81%
6 Month T-Bill Secondary Market	0.07%
NCCMT Cash Portfolio	0.01%

**Metropolitan Sewerage District  
Annual Yield Comparison**

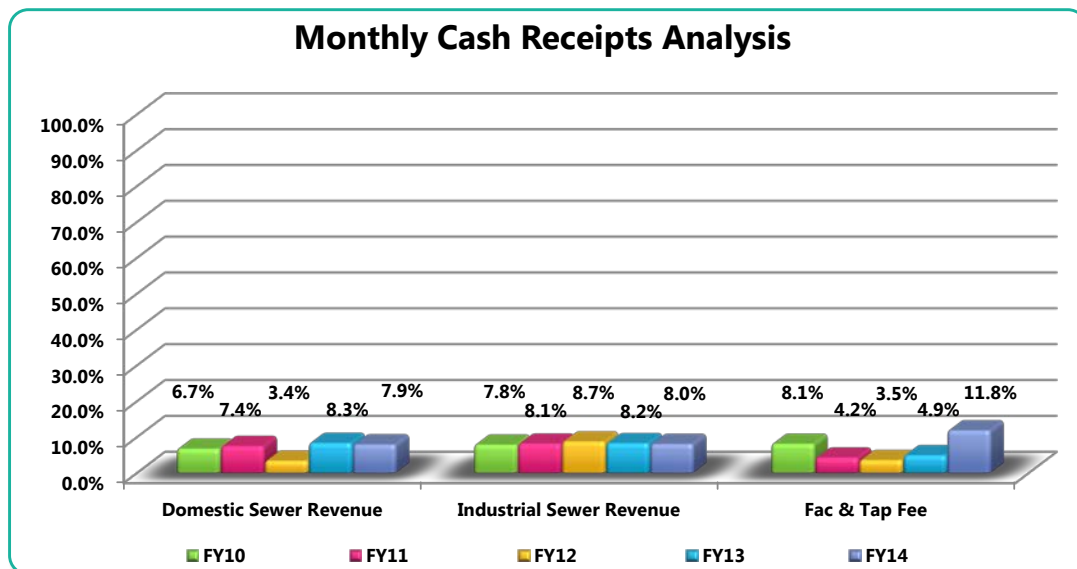


**Metropolitan Sewerage District  
Yield Comparison - July 31, 2013**



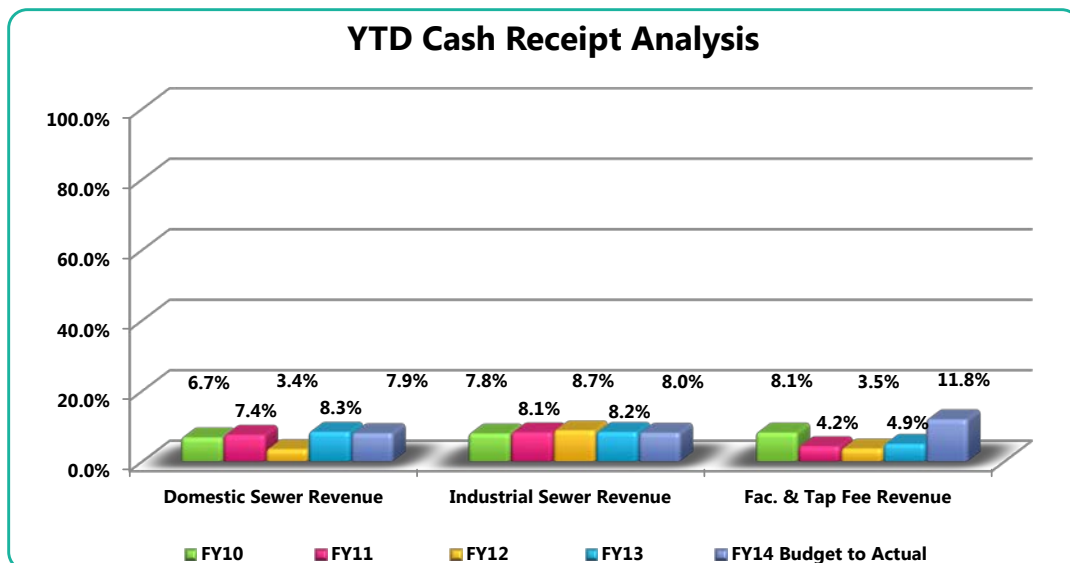


**METROPOLITAN SEWERAGE DISTRICT  
ANALYSIS OF CASH RECEIPTS  
AS OF July 31, 2013**



**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 trending below budgeted expectations.
- ◀ Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap fee revenue reasonable.

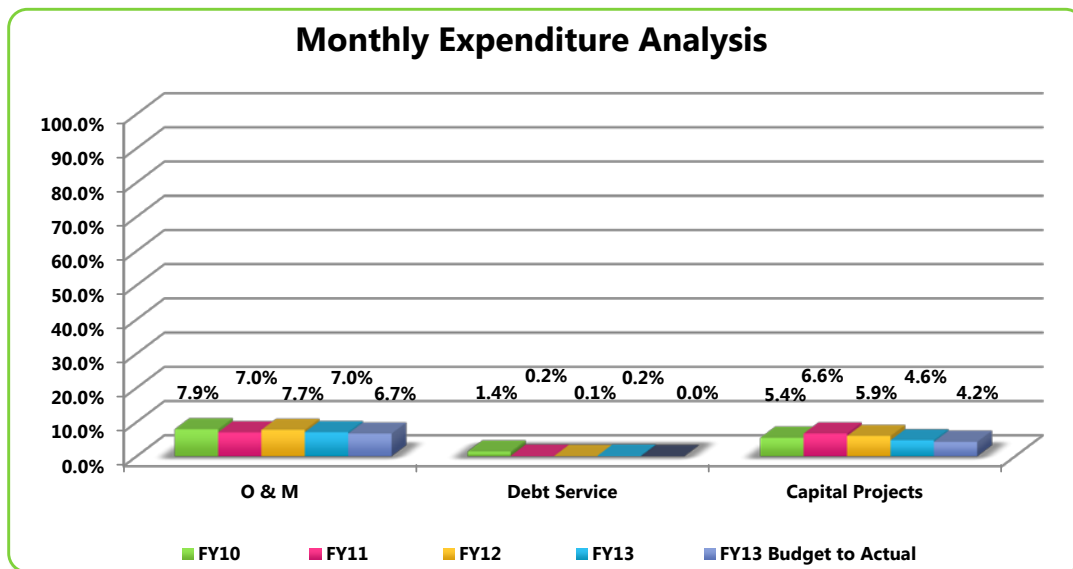


**YTD Actual Revenue Analysis:**

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

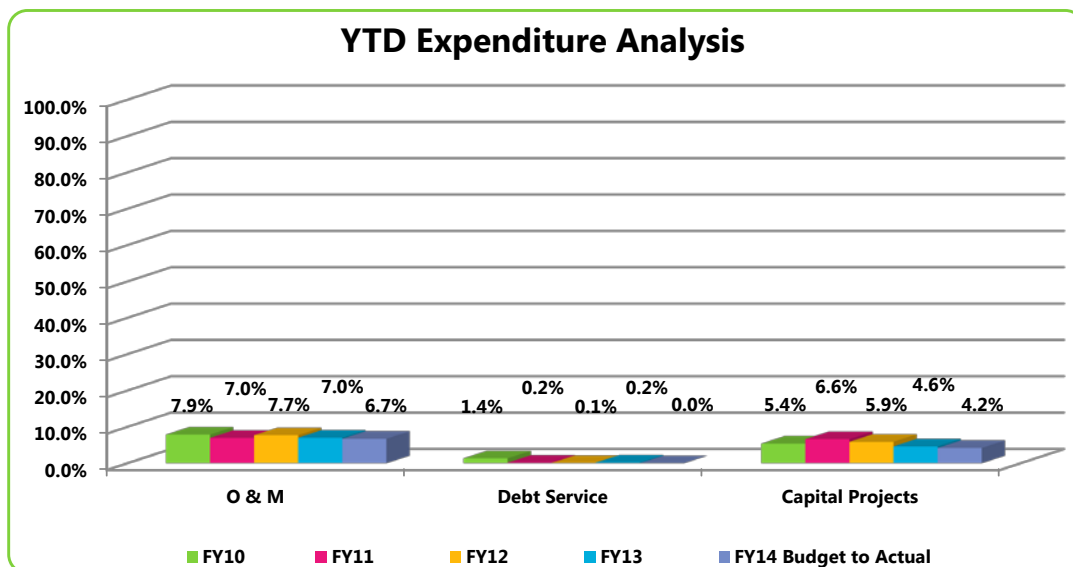


**METROPOLITAN SEWERAGE DISTRICT  
ANALYSIS OF EXPENDITURES  
AS OF JULY 31, 2013**



**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:**

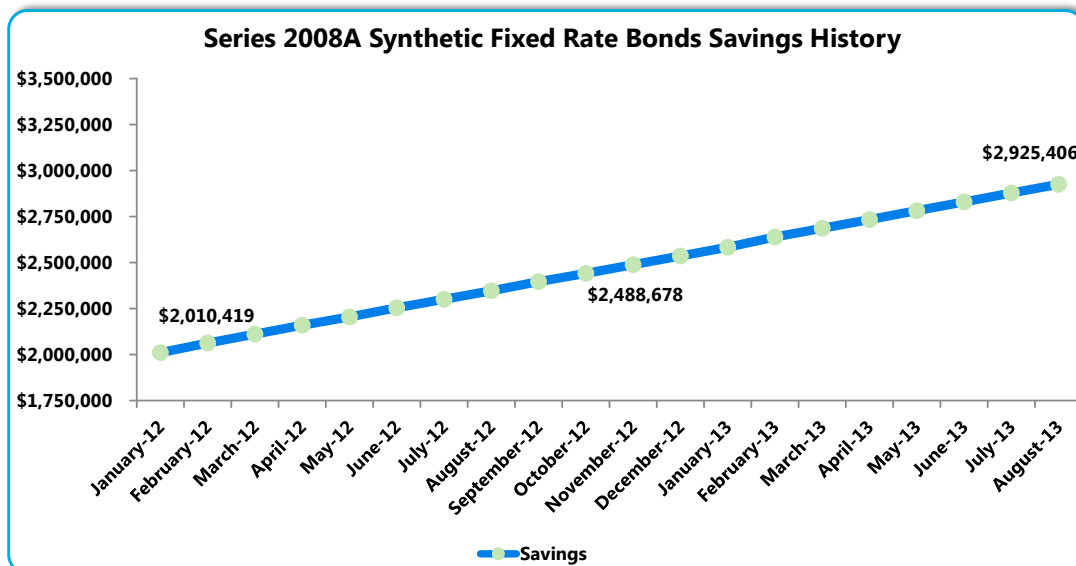
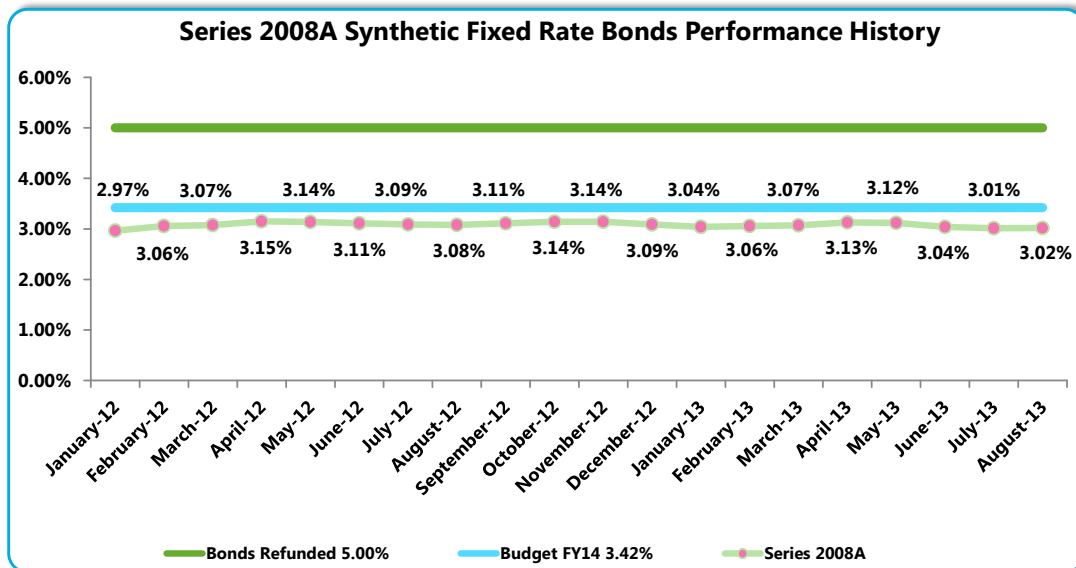
- YTD O&M expenditures are considered reasonable based on historical trends.
- Due to the nature of the variable rate bond market, YTD expenditures can vary year to year. Based on current variable interest rates, YTD debt service expenditures are considered reasonable.
- Due to nature and timing of capital 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:** September 18, 2013

**Subject:** Cash Commitment/Investment Report-Month Ended July 31, 2013

Page -6-

**METROPOLITAN SEWERAGE DISTRICT**  
**Variable Debt Service Report**  
**As of August 31, 2013**



**Series 2008A:**

- Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$2,925,406 as compared to 4/1 fixed rate of 4.85%.
- Assuming that the rate on the Series 2008A Bonds continues at the current all-in rate of 4.0475%, MSD will achieve cash savings of \$4,730,000 over the life of the bonds.
- MSD would pay \$3,823,000 to terminate the existing Bank of America Swap Agreement.

# **STATUS REPORTS**



## Construction Rehab Totals By Date Completed - Monthly

From 7/1/2012 to 6/30/2013

	# IRS Repairs	IRS Ftg	IRS Acpt ftg:	Const Ftg	Const Acpt Ftg	Total Accept Ftg	D-R	D-R Ftg	#MH	PB ML Ftg:	Bore ML Ftg:	Total Rehb Ftg
<b>July 2012</b>												
	4	622	622	242	242	864	1	747	1	0	855	2,466
<b>August 2012</b>												
	5	339	311	0	0	311	2	1,524	8	0	0	1,835
<b>September 2012</b>												
	1	182	0	103	103	103	3	1,210	6	0	0	1,313
<b>October 2012</b>												
	1	7	0	107	107	107	1	1,140	10	0	0	1,247
<b>November 2012</b>												
	0	0	0	346	346	346	2	1,549	12	0	0	1,895
<b>December 2012</b>												
	1	28	28	0	0	28	5	1,040	11	0	0	1,068
<b>January 2013</b>												
	1	117	117	389	389	506	1	120	1	0	0	626
<b>February 2013</b>												
	0	0	0	4	353	353	4	1,300	15	340	400	2,393
<b>March 2013</b>												
	0	0	0	19	19	19	4	1,206	9	506	0	1,731
<b>April 2013</b>												
	0	96	0	469	469	469	3	625	8	1777	0	2,871
<b>May 2013</b>												
	4	822	822	158	158	980	4	658	4	367	0	2,005
<b>June 2013</b>												
	0	7	0	0	0	0	5	994	7	108	0	1,102
<b>Grand Total</b>	<b>17</b>	<b>2,220</b>	<b>1900</b>	<b>1,837</b>	<b>2186</b>	<b>4,086</b>	<b>35</b>	<b>12,113</b>	<b>92</b>	<b>3098</b>	<b>1255</b>	<b>20,552</b>



## Construction Totals By Date Completed - Monthly

From 7/1/2012 to 6/30/2013

	DigUps	EM Digups	Dig Up Ftg	MH Repair	Taps	ROW Ftg	SL Bore Ftg	SL Burst
<b>July 2012</b>								
	29	13	678	31	13	855	0	0
<b>August 2012</b>								
	34	18	828	36	18	3,500	0	0
<b>September 2012</b>								
	15	6	590	27	21	30,845	86	0
<b>October 2012</b>								
	32	18	629	22	13	9,500	0	0
<b>November 2012</b>								
	21	9	588	25	17	453	8	0
<b>December 2012</b>								
	21	10	452	35	10	400	0	0
<b>January 2013</b>								
	26	19	478	27	10	0	0	0
<b>February 2013</b>								
	39	16	778	28	22	480	0	0
<b>March 2013</b>								
	34	15	1,086	31	20	525	0	0
<b>April 2013</b>								
	36	14	833	32	19	0	0	0
<b>May 2013</b>								
	35	8	1,184	33	18	14,500	0	0
<b>June 2013</b>								
	29	10	1,204	15	18	167	0	0
<b>Grand Total</b>	<b>351</b>	<b>156</b>	<b>9,328</b>	<b>342</b>	<b>199</b>	<b>61,225</b>	<b>94</b>	<b>0</b>





## Pipeline Maintenance Totals By Date Completed - Monthly

From 7/1/2012 to 6/30/2013

	ML Wash Ftg:	SL Wash Ftg:	Contr. Ftg:	Rod Ftg:	Cleaned Ftg: *	Root Ftg: **	TV Ftg:	MH Loc:	Other:
<b>July 2012</b>									
	55,689	1,705	0	4,174	59,863	0	36,292	0	72
<b>August 2012</b>									
	109,314	2,120	0	8,175	117,489	0	42,335	0	69
<b>September 2012</b>									
	49,098	1,551	0	7,963	57,061	0	37,845	0	66
<b>October 2012</b>									
	88,408	2,389	0	4,262	92,670	0	37,456	0	67
<b>November 2012</b>									
	67,844	1,547	0	9,272	77,116	0	29,248	0	62
<b>December 2012</b>									
	39,645	3,301	0	7,846	47,491	0	30,034	0	64
<b>January 2013</b>									
	57,702	4,374	0	6,407	64,109	0	26,108	0	97
<b>February 2013</b>									
	50,686	2,705	0	10,439	61,125	0	27,232	0	75
<b>March 2013</b>									
	46,393	5,492	0	8,332	54,725	0	31,530	0	70
<b>April 2013</b>									
	42,385	4,511	0	12,574	54,959	0	43,816	0	94
<b>May 2013</b>									
	60,695	3,523	0	9,767	70,462	0	41,361	0	94
<b>June 2013</b>									
	41,239	2,026	0	7,193	48,432	0	36,180	0	56
<b>Grand Total</b>	<b>709,098</b>	<b>35,244</b>	<b>0</b>	<b>96,404</b>	<b>805,502</b>	<b>0</b>	<b>419,437</b>	<b>0</b>	<b>886</b>
<b>Avg Per Month</b>	<b>59,092</b>	<b>2,937</b>	<b>0</b>	<b>8,034</b>	<b>67,125</b>	<b>0</b>	<b>34,953</b>	<b>0</b>	<b>74</b>

\* Total Cleaned ftg does NOT include SL ftg.

\*\* Chemical Root Application.



### FY 12-13 Projects

PROJECT NAME	ESTIMATED FOOTAGE	ESTIMATED PROJECT DATES	WO#	CREW	COMPLETION DATE	ACTUAL FOOTAGE	Notes
Weaverville FM Ph. 3* (P/N 2011121)	680	6/21/12 - 7/5/12	449362	631	7/5/2012	747	Complete
Rowland Road* (P/N 2004034, in Swannanoa)	968	7/8/12 - 8/5/12	449111	631	8/21/2012	988	Complete
76 Chapel Park Place (P/N 2002107, in Asheville)	1000	7/13/12 - 7/25/12	449382	667	7/23/2012	685	Complete
275 Pisgah View Road (In W. Asheville)	218	7/24/2012 - 7/30/12	449381	667	7/30/2012	170	ready
Huffman Road (In W. Asheville)	800	8/6/12 - 9/1/12	449397	667	8/16/2012	536	Complete
9 Oak Park Rd (P/N 2011097, in Asheville)	485	8/14/12 - 9/21/12	433533	667	9/21/2012	510	Complete
Wellington (in Asheville)	145	9/11/12 - 9/21/12	448978	631	9/21/2012	144	complete
Weaverville FM Ph. 2* (P/N 2011120)	472	8/28/12 - 9/21/12	457553	631	9/26/2012	500	complete
73 Cambridge Road Phase 2 (in Asheville)	1363	9/25/12 -10/31/12	433529	631	10/31/2012	1140	complete. Dig final inspection on 1/2/13
Pine Meadows (in Asheville)	820	9/25/12 - 10/23/12	433524	667	11/28/2012	1110	Complete
Coleman Avenue (In Weaverville)	835	12/3/12 - 1/7/13	433532 / 442364	667	1/10/2013	872	Complete
Woodfin Street (in Asheville)	200	12/3/12 - 12-17/12	449755	631	12/3/2012	200	Complete
Dunkirk Rd (in Asheville)	75	12/4/12-12/6/12	448980	631	12/6/2012	73	Complete
Crowfields (in S. Asheville)	60	12/7/12-12/7/12	449483	631	12/7/2012	64	Complete
Mt. Vernon (in Asheville)	1057	12/17/12 - 2/15/13	449787	631	2/13/2013	1057	Complete
Logan Ave (Craven St in Asheville)	450	1/8/3-2/28/13	449866	667	2/5/2013	327	Complete
Logan Ave (Craven St in Asheville) Ph. 2	600	2-6-13 - 2-28-13	442366	667	2/28/2013	600	Complete
Broad St (In Asheville)	250	2/28/13 - 2/29/13	448984	631	3/4/2013	340	Complete
Craven Street at Georgia Street (In Asheville)	292	3/4/13-3/15/13	448989	667	3/12/2013	586	Complete
Walker Street (In Black Mountain)	300	3/4/13-3/8/13	448990	631	3/26/2013	515	Complete
Ravenna Street (In Asheville)	490	3/15/13-3/31/13	448981	667	3/14/2013	564	Complete
Forest Hill (In Asheville)	250	4/1/13-4/15/13	433542	667	4/26/2013	275	Complete - permit inspection 5/3/13
Hiwassee Avenue (In Black Mountain)	350	3/27-13 - 4/9/13	449826	631	4/9/2013	350	Complete
1230 Northfork Road (In Black Mtn)	1215	4/15/13 - 4/19/13	448992	631	4/19/2013	930	Complete - pipeburst
1245 Northfork Rd(In Black Mtn)	954	4/22/13 - 4/29/13	448996	631	4/29/2013	847	Complete - pipeburst
Westchester Dr. @ Chiles Ave (In Asheville)	685	4/16/13-6/13/13	433540 / 450456	667	6/13/2013	708	Complete
1230 NorkFork Road (in Black Mtn) Dig and Replace	500	4/29/13 - 5/15/13	448997	631	5/10/2013	345	Complete
Blair Street Pipe Burst (In Asheville)	300	5/21/13 - 5/24/13	449000	631	5/31/2013	367	Complete
202 Asheland Ave (In Asheville)	140	6/4/13 - 6/5/13	449383	631	6/5/2013	108	complete
Macon Ave at Latrobe (In Asheville)	100	6/19/13 - 6/26/13	449463	667	6/28/2013	268	complete



**CAPITAL IMPROVEMENT PROGRAM****STATUS REPORT SUMMARY****September 10, 2013**

PROJECT	CONTRACTOR	AWARD DATE	NOTICE TO PROCEED	ESTIMATED COMPLETION DATE	*CONTRACT AMOUNT	*COMPLETION STATUS (WORK)	COMMENTS
BRADLEY BRANCH ROAD PHASE II	Terry Brothers	8/21/2013	TBD	TBD	\$314,860.00	0%	Terry Brothers was awarded the contract. No work has begun yet.
BROOKCLIFF DRIVE (PRP 59001)	TBD	TBD	TBD	TBD	TBD	0%	Project is scheduled to bid on September 26, 2013.
MERRIMON AVENUE @ COLONIAL PLACE	Terry Brothers	8/21/2013	9/3/2013	12/12/2013	\$180,018.00	10%	Mainline construction has begun.
MERRIMON AVENUE @ STRATFORD ROAD	TBD	TBD	TBD	TBD	TBD	0%	Bids were opened on August 29th. Terry Brothers is the low bidder. Project will be presented at the September Board meeting.
MOORE CIRCLE (PRP 45001)	Bryant's Land & Development	2/20/2013	3/18/2013	9/13/2013	\$240,640.58	98%	Contractor is finishing up punch list items.
MOUNT VERNON PLACE PHASE I	Terry Brothers	8/21/2013	9/3/2013	12/12/2013	\$96,347.00	0%	Contract was awarded to Terry Brothers. Work will begin after completion of Merrimon Avenue @ Colonial Place.
OLD US 70 @ GROVEMONT AVENUE	TBD	TBD	TBD	TBD	TBD	0%	Project is scheduled to bid on September 26, 2013.
PIPE RATING CONTRACT #7 (LINING)	Southeast Pipe Survey, Inc.	12/12/2012	1/14/2013	10/10/2013	\$863,111.81	90%	Contractor is working on punch list items. Added work on 4th Street, Black Mountain and Moore Circle have not started yet.
SHORT COXE AVENUE AT SOUTHSIDE AVENUE	Cana Construction	7/18/2012	9/4/2012	9/13/2013	\$888,998.01	98%	Contractor is working on punch list items.
WRF - CRAGGY HYDRO FACILITY REPAIRS - CONTROL COMPONENTS UPGRADE	Innovative Solutions of NC	7/12/2012	N/A	1/1/2014	\$100,717.72	80%	This is to upgrade the old control panel at the Hydro Facility. In addition to this, Turbine No. 2 has been repaired and is ready to be re-installed.
WRF - ELECTRICAL IMPROVEMENTS	Haynes Electric	8/15/2012	9/10/2012	11/1/2013	\$1,061,900.00	90%	Final testing/startup has begun.
WRF - FILTER BACKWASH PIPING	Ruby-Collins	7/22/2013	9/9/2013	11/8/2013	\$61,245.00	0%	Construction has begun.
WRF - RAW SEWAGE PUMP STATION SUMP PUMP REPLACEMENT	Ruby-Collins	7/22/2013	9/9/2013	11/8/2013	\$54,000.00	0%	Work will begin after the filter backwash piping project is complete.
WRF - SLIDE GATE REPLACEMENT	TBD	TBD	TBD	TBD	TBD	0%	Bids were opened on August 29th. NHM Constructors is the low bidder. Project will be presented at the September Board meeting.

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

Planning and Development Projects Status Report  
September 18, 2013

Status	Project Name	Project Number	Work Location	Units	LF	Pre-Construction Conference Date	Comments
	N. Bear Creek Road Subdivision	2005137	Asheville	20	127	7/11/2006	Complete - Waiting on final documents
	Willowcreek Village Ph.3	2003110	Asheville	26	597	4/21/2006	Complete - Waiting on final documents
	Rock Hill Road Subdivision	2005153	Asheville	2	277	8/7/2006	Complete - Waiting on final documents
	Black Mtn Annex: Avena Rd.	1999026	Black Mtn.	24	4,300	8/19/2010	Complete - Waiting on final documents
	Black Mtn Annex: McCoy Cove	1992174	Black Mtn.	24	2,067	8/19/2010	Complete - Waiting on final documents
	Black Mtn Annex: Blue Ridge Rd.	1992171	Black Mtn.	24	2,560	8/19/2010	Complete-Waiting on final documents
	Haw Creek Tract	2006267	Asheville	49	1,817	10/16/2007	Complete - Waiting on final documents
	Haywood Village	2007172	Asheville	55	749	7/15/2008	Complete - Waiting on final documents
	Lodging at Farm (Gottfried)	2008169	Candler	20	45	6/2/2009	Complete - Waiting on final documents
	Camp Dorothy Walls - Ph. 1	2007294	Black Mtn.	Comm.	593	6/16/2009	Complete - Waiting on final documents
	Momentum Health Adventure	2008097	Asheville	Comm.	184	8/19/2009	Complete - Waiting on final documents
	North Point Baptist Church	2008105	Weaverville	Comm.	723	5/20/2009	Complete - Waiting on final documents
	Lutheridge - Phase I	2009112	Arden	Comm.	330	3/16/2010	Complete-Waiting on final documents
	AVL Technologies	2010018	Woodfin	Comm.	133	5/21/2010	Complete-Waiting on final documents
	UNC-A New Residence Hall	2011047	Asheville	304	404	8/29/2011	Complete-Waiting on final documents
	Cottonwood Townhomes	2009110	Black Mtn.	8	580	10/20/2009	Complete-Waiting on final documents
	Goldmont St	2012087	Black Mtn.	6	91	1/11/2013	Complete-Waiting on final documents
	Berrington Village Apartments	2008164	Asheville	308	4,690	5/5/2009	Complete-Waiting on final documents
	Bradley Street		Asheville			2/14/2003	Complete-Waiting on final documents
	Carolina Truck and Body (Cooper)	2012075	Asheville	Comm.	298	10/30/2012	Complete-Waiting on final documents
	Waynesville Ave (Pittman)	2013046	Asheville	15	332	5/23/2013	Complete-Waiting on final documents
	Ridgefield Business Park	2004188	Asheville	18	758	2/16/2005	Complete-Waiting on final documents
	Subtotal			903	21,655		

Planning and Development Projects Status Report  
September 18, 2013

Status	Project Name	Project Number	Work Location	Units	LF	Pre-Construction Conference Date	Comments
	The Settings (6 Acre Outparcel)	2004192	Black Mountain	21	623	3/15/2006	Ready for final inspection
	Waightstill Mountain PH-8	2006277	Arden	66	3,387	7/26/2007	testing / in foreclosure
	Brookside Road Relocation	2008189	Black Mtn	N/A	346	1/14/2009	Project will not be built
	Scenic View	2006194	Asheville	48	534	11/15/2006	Ready for final inspection
	Ingles	2007214	Black Mtn.	Comm.	594	3/4/2008	Ready for final inspection
	Bartram's Walk	2007065	Asheville	100	10,077	7/28/2008	Punchlist pending
	Morgan Property	2008007	Candler	10	1,721	8/11/2008	Pre-con held, ready for construction
	Village at Bradley Branch - Ph. III	2008076	Asheville	44	783	8/8/2008	New developer, ready for testing
	Canoe Landing	2007137	Woodfin	4	303	5/12/2008	Ready for construction
	Central Valley	2006166	Black Mtn	12	472	8/8/2007	Punchlist pending
	CVS-Acton Circle	2005163	Asheville	4	557	5/3/2006	Ready for final inspection
	Hamburg Mountain Phase 3	2004086	Weaverville	13	844	11/10/2005	Ready for final inspection
	Bostic Place Sewer Relocation	2005102	Asheville	3	88	8/25/2005	Ready for final inspection
	Kyfields	2003100	Weaverville	35	1,118	5/10/2004	Ready for final inspection
	Onteora Oaks Subdivison	2012026	Asheville	28	1,222	1/4/2013	Testing
	Camp Dorothy Walls - Ph. 2	2007294	Black Mtn.	Comm.	593	6/16/2009	Pre-con held, ready for construction
	Pisgah Manor Skilled Nursing Facility	2012008	Candler	Comm.	131	4/9/2011	Ready for final inspection
	Ardmion	2011107	Asheville	5	208	4/16/2013	Testing
	Biltmore Lake Block "J"	2013013	Enka	32	3,918	4/16/2013	Testing
	Bradley Street - Phase II	2013031	Asheville	12	194	2/14/2013	Under construction
	Thoms Estate 3B & 4	2013052	Asheville	35	4,690	7/26/2013	Pre-con held, ready for construction
	Ramble at Parkway	2013100	Biltmore Forest	TBD	335	7/26/2013	Pre-con held, ready for construction
	Eagle Sewer Extension	2011077	Asheville	2	45	9/4/2013	Pre-con held, ready for construction
	Palisades Apartments	2013024	Asheville	224	1,423	9/4/2013	Pre-con held, ready for construction
	Thunderland Circle (Sunshine Chev.)	2012095	Buncombe Co.	Comm.	467	8/5/2013	Pre-con held, ready for construction
	Aldi (Weaverville)	2013048	Asheville	Comm.	302	5/10/2013	Pre-con held, ready for construction
	Brookgreen at Crest Mtn. Phase 1D	2013076	Woodfin	3	370	5/29/2013	ready for construction
Subtotal				2459	77,654		
Total Units:				3,362			
Total LF:					99,309		