

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
SEPTEMBER 21, 2011**

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 21, 2011. Chairman Aceto presided with the following members present: Bellamy, Bryson, Creighton, Haner, Kelly, Manheimer, Root, Russell, Stanley, VeHaun and Watts.

Others present were: Thomas E. Hartye, General Manager, William Clarke, General Counsel, Gary McGill with McGill Associates, Inc., Joseph Martin with Woodfin Sanitary Water & Sewer District, Ed Bradford, Scott Powell, Ken Stines, Mike Stamey, John Kiviniemi, Stan Boyd and Sharon Walk, MSD.

2. Inquiry as to Conflict of Interest:

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

3. Approval of Minutes of the August 17, 2011 Meeting:

Mr. Aceto asked if there were any changes to the Minutes of the August 17, 2011 Board Meeting. With no changes, the Minutes were approved as presented.

4. Discussion and Adjustment of Agenda:

None

5. Informal Discussion and Public Comment:

Mr. Aceto welcomed Mr. Martin.

6. Report of the General Manager:

Mr. Hartye called on Mike Stamey, Construction Services Director for a presentation regarding the responsibilities of the group and a recent sewer rehabilitation job that required an innovative approach.

Mr. Stamey reported that the department is made up of 27 employees; broken out into five (5) crews. Two crews focus on installing Sewer Service Taps and making repairs to the system. One crew makes manhole repairs and two crews focus on complete pipeline replacement projects. He presented a slide showing the typical activities of the Tap and Repair crews. He stated that in FY 10/11 these crews completed 486 construction repairs and installed 195 taps. He reported that one of the methods of repair is Infrastructure Repair System (IRS), which is a trenchless technology method where no digging is involved. He presented several slides showing how this method is done along with the before and after results. He stated that in FY 10/11 30 IRS repairs were made on MSD lines. Mr. Hartye stated that this method allows for the replacement of a section of line without replacing the entire line. Mr. Stamey presented a slide showing manholes under repair by the Manhole Repair Crew. During FY 10/11 this crew made 404 manhole repairs in the system. Mr. Stamey reported that the Pipeline Replacement Crews go into an area and replace entire lines from manhole to manhole. Often they will replace several segments of lines and manholes all in one location. In FY 10/11 these crews replaced 11,835 feet of mainline sewer in the system.

Mr. Stamey reported that the Sunset Drive at Old Toll Road sewer improvement project was approximately 500 feet and was designed in-house by Shaun Armistead of the CIP Department. He stated that although this project was short in duration, it was

very difficult, expensive and a good fit for in-house crews. He presented several slides of the project and explained the various aspects of each. Mr. Watts asked if MSD has in-house capacity to break clay and ductile iron pipe. Mr. Stamey stated that currently MSD does not have that capacity, but is working toward that goal. Mr. Hartye stated that what Mr. Stamey is trying to show is a day in the life of MSD's in-house construction and a different way of pipe bursting was used because of the plastic pipe and the right situation for using a directional driller which made it easier. Mr. Watts said its great MSD is getting this technology in-house. Mr. Haner asked what the criteria is for determining if this work can be done in-house opposed to going out for bid with a private contractor. Mr. Hartye stated that projects less than \$150,000 can be done in-house. Ms. Manheimer asked if Old Toll Road was closed due to a wash-out. Mr. Stamey said there was a wash-out and the crews had to work in conjunction with that, but tried to keep it open at all times. Mr. Haner asked, when working in residential areas, if MSD encourages homeowners to install backflow preventers and if MSD does the installation. Mr. Stamey said homeowners are encouraged to install a backflow preventer, but MSD does not do the installation. Mr. Stines stated that the backflow preventer is located behind the clean-out on the homeowner's side and it's the responsibility of the homeowner to contact a plumber for installation. Mr. Hartye stated that these are typically needed in low areas nearest interceptors that are prone to back-up situations.

Mr. Hartye presented a letter received from Marian Harbison of Sulpher Spring Road expressing appreciation for the response and service from Herman Shelton and Robert Burnette.

Mr. Hartye presented a list of Accomplishments for Fiscal Year 2011 by Division. He reported that the Capital Improvement Program Division administered a CIP budget of \$22,156,071 and managed 108 projects. Approximately 49,099 Linear Feet of collection system were rehabilitation during FY 11. This includes 28,606 LF rehabilitated through contract construction and 20,493 LF rehabilitated in-house by System Services. The Division completed construction of the Intermediate Pumping System at the plant; completed a study of the Weaverville Pumping System with a significant portion of the force main rehabilitated; saving 30 feet of elevation, future power cost and potential pump replacement cost, and acquired Rights-of-Way across 60 separate properties.

The System Services Division achieved an average response time of 36 minutes to customer service requests during regular working hours and 38 minutes after hours. Cleaned and CCTV 20,000 LF of 36" interceptor on the South Swannanoa Interceptor and 23,000 LF of 36" interceptor on the South French Broad Interceptor, totaling 43,000 LF. Also, completed 486 emergency and scheduled construction repairs; installed 195 taps, and 35 lining jobs.

The Administrative Services Division installed a new GIS database server to give redundancy and access speeds to the FLEX Web GIS application, along with implementation of disaster recovery Dell Equal Logic SANs to improve data redundancy. Also, implemented a new server room at the Treatment Plant building with a clean, secure, temperature controlled environment to house MSD's disaster recovery effort. The MIS Department ran demos for two (2) work order software solutions in an effort to find replacement, enterprise packages to replace the current Access database and created a Parcel Diary module for ROW.

The Wastewater Treatment Division received the National Association of Clean Water Agencies (NACWA) "Peak Performance Award" for the ninth consecutive year and renewed the NPDES permit. The cyanide limit was removed based on a study headed up by John Kiviniemi. Completed (in-house) refurbishment of the Schreiber grease removal system, and worked with Progress Energy to facilitate completion of electrical supply interconnect at the adjacent substation. Two new transformer banks were included in the upgrade and are interconnected to the front of the plant, which increases reliability

by 90%. Additional electrical improvements will take place next year with some redundancy in the plant and adding some new generation capacity.

The Finance Division received the GFOA "Excellence in Financial Reporting" award for the CAFR for FY ending June 30, 2010 and the GFOA "Distinguished Budget" award for the Budget Document prepared for FY ending June 30, 2011. Also, District staff has leveraged GIS flex system and P&D application data with respective member agency's customer data to check for unbilled sewer customers, and assisted Human Resources in substantive changes in the District's self-insurance plan to achieve ongoing financial sustainability.

The Human Resources Division held its 12th Annual Health Fair, including flu shots. It completed the Medical/Physical Examinations Program for all insured adults. Mission Hospital staff provided on-site smoking cessation and chronic conditions services. It also provided educational and financial training for employees (Elder Care, 401k/457, etc.). Safety & Environmental Health was awarded \$1,500 from the NC League of Municipalities Safety Grant Program.

The Planning and Development Division showed a slowdown for new projects, but are finishing off existing projects.

With regard to the car purchased as a swap for his car allowance, Mr. Hartye reported that some tax adjustments were made to bring him to parity. The car is a four-wheel drive Honda Accord made in East Liberty, Ohio.

Mr. Hartye reported that the next regular Board Meeting will be held October 19th at 2:00 p.m. The next Right of Way Committee meeting will be held October 28th at 9:00 a.m. and will include a presentation about the ROW section activities and the ROW Policy. He further reported that the annual employee picnic will be held September 22nd; WEFTEC will be held in Los Angeles October 15-19 and the State NCAWWA/WEA Conference will be held November 13-16 in Concord, NC.

7. Report of Committees:

Planning Committee

Mr. Root reported that the Planning Committee met on August 29, 2011 and held an extensive discussion regarding the Asheville Water System and MSD. He stated that Mr. Clarke informed him that as of today, Study Bill (H.B. 773, Section 2.22) remains un-passed by the Legislature. He further reported that the Committee directed the Chairman and Mr. Clarke to draft a joint letter to the Legislative Research Commission (LRC) on behalf of the MSD and the City of Asheville requesting seats on the Study Committee. He stated that it would be his inclination as Chairman of the Committee that should the legislation pass; the letter would go out as directed and a Planning Committee meeting would be scheduled at that time. Mr. Aceto called on Mr. Russell regarding a conversation he had with Representative Tim Moffitt. Mr. Russell reported that just minutes before the meeting Mr. Moffitt called to say he had seen the six-minute on-line campaign video on the Day in the Life of a Councilman where he mentioned the outcome of the MSD Planning Committee meeting. Mr. Moffitt said he planned to recommend to the Legislative Research Commission (LRC) the creation of an Overlay Committee comprised of representatives from the MSD and the City and County to work in collaboration with the LRC to discuss this. Mr. Moffitt indicated he would like to work with him and Mr. Aceto to decide who should serve on this Committee. He stated that as soon as Mr. Moffitt gets back with the formal adopted legislation, a Planning Committee meeting will be scheduled, with Mr. Moffitt's involvement, to decide who will serve on the Overlay Committee. He further stated that Mr. Moffitt said there are three (3) possible outcomes: First, do nothing; let the water be the water and sewer be the sewer.

Second, hand the water over to the MSD, and third, create an independent authority that oversees both. Ms. Manheimer said there are approximately 100 studies under the LRC. She asked if Mr. Moffitt plans to amend the current Study Bill. Mr. Russell said it was Mr. Moffitt's intention to include this with the recommendation to LRC and that he wanted to relay this information to the Board.

Right of Way Committee

Mr. Kelly reported that the Right of Way Committee met prior to the Board meeting to consider condemnation settlements for Riverside Drive/Westover Drive Rehabilitation Projects and for Lower Smith Mill Creek Rehabilitation Projects. Mr. Aceto called for a motion to excuse Ms. Manheimer from voting on the condemnations matters. Mr. Kelly moved. Ms. Bryson seconded the motion. Voice vote in favor of the motion was unanimous. Mr. Stanley asked how many people contest these condemnations. Mr. Clarke stated that only about 7.6% of cases are filed, and of those, about half contest initially and about 3.8% actually go to trial. Mr. Kelly asked Mr. Clarke to read into the record the recommendations. Mr. Clarke stated that for MSD vs. Morance Case #8CV 02446 and MSD vs. Riverside Partnership LLC, Case #8CV 02247, the Committee recommendation is to approve a total settlement of \$65,000.00, inclusive of interest in combined cases #8CV 02446 and #8CV 02447. Also, condemnation settlements for Lower Smith Mill Creek Rehabilitation Project (MSD vs. Roberts, ET AL Case #5CV 04348 and MSD vs. Roberts, ET AL Case # 5CV 04315, Case # 5CV 04241 and Case # CV5 04349), the Committee recommendation is to approve a total settlement of \$40,000.00, inclusive of interest in Case #5CV 04348 and to approve a total settlement of \$15,000.00 inclusive of interest in combined Cases #5CV04315, #5CV 04241 and #5CV 04349. Mr. Kelly moved that the Board approve the both settlements as presented by Mr. Clarke. Mr. Stanley seconded the motion. Roll call vote was as follows: 11 Ayes, 0 Nays. Ms. Manheimer did not participate in the deliberations or the vote.

8. Consolidated Motion Agenda:

a. Consideration of Bids for Dingle Creek Interceptor @ Crowfields Phase 2:

Mr. Hartye reported that Phase 1 of this project was a cooperative effort with the City of Asheville. The remaining portion, Phase II, is comprised of 1136 LF of 8-inch through 18-inch DIP. The following bids were received on September 8, 2011: Huntley Construction Company with a total bid of \$286,458.00; Moore & Son Site Contractors with a total bid of \$277,953.00; Payne, McGinn & Cummins, Inc. with a total bid of \$256,942.19; Freestone Contracting, LLC with a total bid of \$233,906.00; Buchanan and Sons, Inc. with a total bid of \$232,209.50; Terry Brothers Construction Co., with a total bid of \$189,478.50 and T&K Utilities with a total bid of \$175,854.00. Staff recommends award of this contract to T&K Utilities, Inc. in the amount of \$175,854.00, subject to review and approval of District Counsel.

b. Consideration of Acceptance of Developer Constructed Sewer Systems:

Newbridge Commons Sewer Extension Project:

Mr. Hartye reported that this project is located inside the District boundary off Elkwood Avenue in the Town of Woodfin and included the installation of approximately 196 linear feet of 8" gravity sewer to serve a commercial development. Staff recommends acceptance of the developer constructed sewer system. All MSD requirements have been met.

The Springfield Subdivision:

Mr. Hartye reported that this project is a ten (10) unit residential development constructed in 1993 in Buncombe County outside the District Boundary off Baldwin Road and included approximately 593 linear feet of gravity sewer. Staff recommends acceptance of the developer constructed sewer system. All MSD requirements have been met.

The Byrd Street Townhomes Sewer Extension Project:

Mr. Hartye reported that this project is located inside the District boundary off Byrd Road in the Town of Black Mountain and included the installation of approximately 292 linear feet of 8" gravity sewer to serve a forty (40) unit residential development. Staff recommends acceptance of the developer constructed sewer system. All MSD requirements have been met.

Westmore Apartments Sewer Extension Project:

Mr. Hartye reported that this project is located inside the District boundary off Deaverview Road in the City of Asheville and included the installation of approximately 807 linear feet of 8" gravity sewer to serve a seventy-two (72) unit multifamily residential development. Staff recommends acceptance of the developer constructed sewer system. All MSD requirements have been met.

Weaver Village Phase 1 Sewer Extension Project:

Mr. Hartye reported that this project is located inside the District boundary off Weaver Boulevard in the Town of Weaverville and included the installation of approximately 263 linear feet of 8" gravity sewer to serve a four (4) unit commercial development. Staff recommends acceptance of the developer constructed sewer system. All MSD requirements have been met.

c. Cash Commitment/Investment Report – Month Ended July 31, 2011:

Mr. Powell reported that Page 2 presents the makeup of the District's Investment Portfolio. From June to July the Portfolio decreased 8.5 million dollars, which was attributed to the debt service payment as of July 1st in the amount of 6.4 million dollars and the remaining portion is due to timing of cash receipts. He explained that the City of Asheville changed its billing system, which affected billing cycles and therefore affected cash receipts to the District. He stated that the receipts have come in subsequently in August as well as September and should be back on schedule as of the end of September. Page 3 is the MSD Investment Manager Report as of the month of July. The weighted average maturity of the investment portfolio is 349 days. The yield to maturity is 1.03% and is exceeding bench marks of the 6 month T-Bill and NCCMT cash portfolio. Pages 4 & 5 are an analysis of the District's Cash Receipts and Expenditures. Both cash receipts and expenditures are considered reasonable based on historic trends. Page 6 is the MSD Variable Debt Service Report. Both the 2008 A&B Series are performing better than budgeted expectations. As of the end of August the District has saved customers approximately \$4.3 million dollars in debt service.

Mr. Aceto called for a motion to approve the consolidated motion agenda as presented. Mr. Watts moved. Mr. Russell seconded the motion. With no discussion, roll call vote was as follows: 12 Ayes; 0 Nays.

9. Old Business:

None

10. New Business:

Mr. Russell summarized his conversation with Mr. Moffitt. He stated that if the Study Bill passed, a joint letter from the City of Asheville and the MSD will be sent requesting local representation on an Overlay Committee. Ms. Manheimer stated that since the Legislature has adjourned and will not meet again until November and the Study Bill has not passed, she asked what Mr. Moffitt is talking about. Mr. Russell said to create an Overlay Committee. Ms. Manheimer stated that the Legislative Research Commission (LRC) can choose to study this without passing the Bill. Mr. Russell stated that he would be happy to follow-up with Mr. Moffitt and tell him to keep the MSD and the City of Asheville informed. Ms. Manheimer asked how the conversation with Mr. Moffitt ended. Mr. Russell said Mr. Moffitt originally wanted to get together with him and Mr. Aceto, but he suggested that he contact Mayor Bellamy and Steve Aceto and if a Committee is formed, representatives from the City, County and MSD should be involved.

Mr. Aceto stated that he is not comfortable having a conversation about this without having some sense of where this Board wants to go. Mr. Russell asked if the Board would like him to ask Mr. Moffitt to put something in writing to the MSD as to what his intentions are. Mr. Watts asked if there is a sense of what the driving force is behind this. Mr. Root suggested Mr. Russell contact Mr. Moffitt to see if this is something MSD should be doing and to define who will serve on the Committee. Mr. Aceto suggested the Planning Committee meet and decide who will serve on the Overlay Committee. Mr. Aceto asked the Board if they had a short list of who should serve on this committee. Mr. McGill said it should not be a large committee and feels ten people is too many.

Ms. Bellamy moved that the Board contact Representative Moffitt and asked him what he would like to accomplish and the timeline regarding the Study Bill he introduced. Ms. Manheimer seconded the motion. Mr. Haner asked if the motion precedes any appointments to a committee on the Board's part. Ms. Bellamy said no, the motion is a matter of clarification. A discussion followed regarding what the letter should say. Mr. Clarke pointed out that any written correspondence is public record, therefore suggest the General Manager call Mr. Moffitt and invite him to come to the next Board Meeting. Mr. Aceto stated that he feels it would be wise for the Board to take its own initiative, apart from anything going on at the legislative level, and let the legislature respond to that initiative. Following a discussion regarding the motion, who will draft the letter and the best way to proceed, Ms. Manheimer stated that in a text conversation with Representative Thomas regarding the best way to proceed, he said he would wait to respond since there is no reason to invite the vote in the first place. Based on this advice, she withdrew her second to the motion. Mr. Aceto called for a second to the motion. With no second, the motion failed. Mr. Aceto asked if the Board wants to take any action in this matter. No action was taken. Mr. Russell said he will report on any further conversation with Mr. Moffitt. Ms. Bellamy stated that the Board is talking about this issue without any direction from the individual who started this conversation in Raleigh without MSD and the City, and feels this approach will create more of an adversarial atmosphere. She further stated that it would be best to determine what Mr. Moffitt wants to accomplish, but it was up to the Board to make that decision.

11. Adjournment:

With no further business, Mr. Aceto called for adjournment at 3:35 p.m.

Jackie W. Bryson, Secretary/Treasurer

MSD

Regular Board Meeting

Metropolitan Sewerage District
of Buncombe County, NC

AGENDA FOR 9/21/11

✓	Agenda Item	Presenter	Time	
	Call to Order and Roll Call	Aceto	2:00	
	01. Inquiry as to Conflict of Interest	Aceto	2:05	
	02. Approval of Minutes of the August 17, 2011 Board Meeting.	Aceto	2:10	
	03. Discussion and Adjustment of Agenda	Aceto	2:15	
	04. Informal Discussion and Public Comment.	Aceto	2:20	
	05. Report of General Manager	Hartye	2:25	
	06. Report of Committees: a. Planning Committee – 8/29/11 – Root b. Right of Way Committee – 9/21/11 - Kelly	Aceto	2:45	
	07. Consolidated Motion Agenda	Hartye	2:55	
	a. Consideration of Bids for Sanitary Sewer Rehabilitation Project: Dingle Creek @ Crowfields, Phase II	Hartye		
	b. Consideration of Developer Constructed Sewer Systems: Newbridge Commons; Springfield Subdivision; Teems Lane; Byrd Street Townhomes; Westmore Apartments and Weaver Village.	Hartye		
	c. Cash/Commitment Investment Report Month Ending July 31, 2011.	Powell		
	08. Old Business	Aceto	3:05	
	09. New Business:	Aceto	3:10	
	10. Adjournment (Next Meeting October 19, 2011)	Aceto	3:15	

APPROVAL OF MINUTES

**BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
AUGUST 17, 2011**

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 17, 2011. Chairman Aceto presided with the following members present: Bellamy, Bryson, Haner, Kelly, Manheimer, Root, Russell, VeHaun & Watts. Mr. Creighton and Mr. Stanley were absent.

Others present were: Thomas E. Hartye, General Manager, William Clarke, General Counsel, Gary McGill with McGill Associates, Inc., Stan Boyd, Ed Bradford, Mike Stamey, Ken Stines, Jim Hemphill, Peter Weed, Scott Powell, Angel Banks, Julie Willingham and Sondra Honeycutt, MSD.

2. Inquiry as to Conflict of Interest:

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

3. Approval of Minutes of the July 20, 2011 Meeting:

Mr. Aceto asked if there were any changes to the Minutes of the July 20, 2011 Board Meeting. With no changes, the Minutes were approved as presented.

4. Discussion and Adjustment of Agenda:

None

5. Informal Discussion and Public Comment:

None

6. Report of the General Manager:

Mr. Hartye reported that MSD has once again received the "Peak Performance Award" for complete and consistent compliance with the NPDES permit for the plant discharge. He expressed his appreciation to all operations and maintenance employees who keep the plant going 24/7/365.

Mr. Hartye presented a summary of the Annexation Reform Act of 2011 from the League of Municipalities.

Mr. Hartye reported that he and Scott Powell received a call from Fitch to discuss the District's operation outcome in regard to its AA+ credit rating. With regard to the recent accident, OSHA is still investigating and MSD anticipates a final meeting with them next week. Mr. Haner asked if OSHA has raised any issues. Mr. Hartye said no not at this point.

Mr. Hartye called on Sondra Honeycutt to read a letter from Mary Alice Hunter addressed to Steve Aceto and the Board regarding the loss of John Crowe and how this tragedy was handled by MSD's caring leadership; bringing the MSD family even closer together.

Mr. Hartye reported that the Personnel Committee met prior to today's Board meeting. The Right of Way Committee Meeting schedule for August 24th is cancelled. The next meeting will be held September 28th at 9 a.m. The Planning Committee will meet August 29th at 2 p.m. to discuss the potential water/sewer consolidation study, and the next regular meeting of the Board will be held September 21st at 2 p.m.

Mr. Hartye called on Ken Stines, Technical Services Director for a Power Point presentation on cleaning and CCTV inspection of the South French Broad Interceptor from Dingle Creek through the Biltmore Estate.

Mr. Stines reported that in 1998 MSD started looking at cleaning and CCTV inspection on all 16 drainage basins, which took about eight years to accomplish. Currently there are approximately 3.5 million linear feet of line that have been TV inspected in the county; about 80% of the entire system. He presented an overlay of the collection system that has been TV'd and has video. He stated that lines that do not have video, are lines that have been rehabilitated in the last six years.

He presented several slides showing interceptor lines built in the 60's that have been cleaned and CCTV inspected. The first section, approximately 40,000 LF, is the interceptor from Long Shoals Road to the I-26 bridge. He explained that the original line was a 24" line built in the 60's. In the late 80's a 30" line was built parallel to the original line. The second section, approximately 23,000 LF, started at Target on I-240 and west to the Carrier Bridge Pump Station at the Roundhouse. The lower end of this section, beginning at Biltmore Iron & Metal to the entrance of the Biltmore Estate, is a parallel system consisting of two twin 36" lines. The last section, approximately 21,000 LF, is located on the Biltmore Estate from Dingle Creek to Hominy Creek. He presented slides showing plugs that are inserted into the sewer line to stop the flow so the lines can be cleaned, along with a diagram showing how this is done.

Mr. Stines reported that the Biltmore Estate Project started January 1, 2011 at the request of the Biltmore Estate, in order to work around their visitors. He presented several slides showing work being done using a pump, by-pass line and discharge point into a manhole. He explained how the line is cleaned using the MSD vacuum truck and two tankers trucks; one MSD and one rental. He presented a slide showing the CCTV tractor that is placed in the line to video and record the condition of the line. Mr. Haner asked if the line is cleaned from manhole to manhole. Mr. Stines said yes. He presented slides showing a 50lb cleaning nozzle that is inserted into the line, which brings all of the debris back downstream to the manhole. He presented videos showing silt build-up in the line before cleaning; a nozzle inside a pipe, and post cleaning. He explained that once the line is cleaned, the nozzle is run and the debris is pulled back to the manhole and vacuumed up into a holding tank to haul off. He presented several slides showing the amount of debris that is brought back to MSD and placed in a dumpster. He stated that two days of cleaning can fill a 15cy dumpster. In addition, he presented slides showing the types of debris collected such as rope, bricks, old manhole rim and lid, corrugated metal pipe, etc. Mr. Haner asked about wet weather overflows on this line. Mr. Stines stated there have been several overflows prior to cleaning, but no overflows since then. He further stated that several areas of infiltration were found on the Biltmore Estate, but there are plans to line sections of the pipe next to the lake to correct this problem. Mr. Hartye said the crews did a fantastic job on the entire project.

7. Report of Committees:

Right of Way Committee

Mr. Kelly reported that the Right of Way Committee met July 27, 2011 to consider compensation budgets on the Black Mountain Ingles @ I-40 Emergency Rehabilitation project, Givens Estates Rehabilitation Project, Willowbrook Road Rehabilitation project and condemnation on the Bradley Branch Sanitary Sewer Project. The Committee also received a copy of the Quarterly Report for the Fourth Quarter and a copy of Condemnation Statistics – July 1, 1991 to June 30, 2011.

Personnel Committee

Mr. VeHaun reported that the Personnel Committee met August 17, 2011 at 1:00 p.m. to consider the evaluation of the General Manager. On behalf of the Committee Mr. VeHaun moved that Board approve a 1.5% increase in the General Manager's salary, a one-time payment of \$775.00, and discontinuing the annual auto allowance of \$4,500 and purchasing a vehicle for the General Manager's use. Mr. Russell seconded the motion. Ms. Bellamy asked if the annual cost of the car is less than the annual auto allowance, can MSD pay Mr. Hartye the difference. With no objection, Mr. Clarke restated the recommendation adding that if purchasing the vehicle results in less compensation to the General Manager that the District make up the difference. Mr. Clarke stated that the Board needs to authorize the appropriation of funds from the Fleet Reserve Fund to purchase the vehicle. Mr. Clarke suggested approving the Committee's recommendation and, if there is an issue, come back to the Board after a vehicle is purchased. Ms. Bellamy agreed. Mr. Clarke stated that the new motion should read: Increase the General Manager's salary by 1.5% together with a one-time payment of \$775.00 and authorize the purchase of a vehicle for the General Manager by MSD, and authorize the appropriation of these funds from the Fleet Reserve Fund. With no discussion, Mr. Aceto called for the question. Roll call vote was as follows: 10 Ayes; 0 Nays.

8. Consolidated Motion Agenda:

a. Consideration of Compensation Budgets: Black Mountain Ingles @ I-40 Emergency Rehabilitation Project, Givens Estates Rehabilitation and Willowbrook Road Rehabilitation:

Mr. Hartye reported that the Black Mountain Ingles @ I-40 project was an emergency rehabilitation project and is complete. The project consisted of approximately 370 linear feet of 8" ductile iron pipe. The Givens Estate Project is located at the Dingle Creek Shopping Center on Hendersonville Highway and consists of approximately 3,650 linear feet of 8" – 12" ductile iron pipe to replace an existing clay and ductile iron pipe that is undersized and in poor condition. The Willowbrook Road project is located in the Haw Creek area of Asheville and consists of approximately 1,500 linear feet of 8" ductile iron pipe that will replace an existing 6" clay pipe that is undersized and in poor condition. The Right of Way Committee recommends approval of the Compensation Budgets.

b. Consideration of Condemnation – Bradley Branch Sanitary Sewer Rehab:

Mr. Hartye reported that the property owner directed MSD to deal with the lessee during easement negotiations. The lessee was offered \$14,941 in compensation for the easement areas. The lessee did not want to sign until the construction date, however, MSD made it clear that the easement must be signed in advance of construction. Despite an on-site meeting and several phone calls the lessee has not been willing to sign. He further reported that the Committee recommends authority to obtain an appraisal and proceed with condemnation.

c. Consideration of Bids: Rollingwood Road USR Project:

Mr. Hartye reported that the Rollingwood Road USR Project is for the replacement of a private unclaimed sanitary sewer line. He stated that System Services has maintained the line for years, but has requested that it be rehabilitated due to the need for frequent repairs. The project was generated through MSD's Unclaimed Sewer Rehabilitation Program and is located in Chunns Cove near I-240, and is comprised of 2,225 linear feet of 8-inch DIP. The following bids were received on August 4, 2011: Buckeye Construction Co., with a total bid of \$375,036.30; Carolina Specialties, Inc. with a total bid of \$289,370.00; Payne,

McGinn and Cummings, Inc. with a total bid of \$250,521.35; Moore & Son Site Contractors, with a total bid of \$241,776.50; T&K Utilities, with a total bid of \$234,145.00; Terry Brothers Construction Co., Inc., with a total bid of \$219,787.00; Freestone Construction Co. Inc., with a total bid of \$212,799.00, and Huntley Construction Co., with a total bid of \$206,957.50. Staff recommends award of this contract to Huntley Construction Co. in the amount of \$206,957.50, subject to review and approval by District Counsel.

d. Consideration of Developer Constructed Sewer Systems - Gene Bradley Subdivision; Craggy Street; The Villages at Crest Mountain; Brookgreen Phase I and Graylyn Hills:

Mr. Hartye reported that the Gene Bradley Subdivision is located inside the District boundary at the intersection of Sirenas Way and Taylor Rae Drive in South Asheville and included the installation of approximately 284 linear feet of 8" gravity sewer to serve a nine (9) unit residential development. Staff recommends acceptance of the sewer system. All MSD requirements have been met.

Mr. Hartye reported that the Craggy Street project is located inside the District boundary off Craggy Street in the Town Black Mountain. The project included the installation of approximately 203 linear feet of 8" gravity sewer to serve a four (4) unit residential development. Staff recommends acceptance of the sewer system. All MSD requirements have been met.

Mr. Hartye reported that the Villages at Crest Mountain project is located inside the District boundary off Dryman Mountain Road at Crest Mountain in the Town of Woodfin. The project included the installation of approximately 1,288 linear feet of 8" gravity sewer to serve a mixed use development with 63 residential units and one restaurant. Staff recommends acceptance of the sewer system. All MSD requirements have been met.

Mr. Hartye reported that the Brookgreen Phase I project is located inside the District boundary off Ben Lippen Road at Crest Mountain in the Town of Woodfin. The project included the installation of approximately 767 linear feet of 8" gravity sewer to serve a 14 unit residential subdivision. Staff recommends acceptance of the sewer system. All MSD requirements have been met.

Mr. Hartye reported that the Graylyn Hills project is located inside the District boundary off Padgettown Road in the Town of Black Mountain. The project included the installation of approximately 180 linear feet of 8" gravity sewer to serve a four (4) unit residential development. Staff recommends acceptance of the sewer system. All MSD requirements have been met.

e. Fourth Quarter Budget to Actual Review – FY 2011:

Mr. Powell reported that Domestic User Fees are above budgeted expectations due to staff's customer discovery initiative and consumption trends being slightly better than expected. Facility and Tap Fees are above budgeted expectations, due to the District receiving unanticipated revenue of \$1.1 million from two developments. Interest and Miscellaneous Income are below budgeted expectations due to recessionary pressure on the fixed income market. He stated that based on economic data last year, projected returns on investments was 2.5%. As of June, the average rate of return was 1.08%. With regard to expenditures, Mr. Powell reported that O&M expenditures are at 95.19% of budget. This amount may vary slightly from audited numbers due to final accruals and miscellaneous audit adjustments. Bond principal and interest are at budgeted expectations. He stated that staff used the current year interest rate savings to take advantage of a call option on its 2001 Series

Revenue Bonds which will save the District \$23,000 in interest expense in FY 2012. Capital project expenditures are at approximately 72% of budget. This is due to current year projects receiving continued favorable pricing in a sluggish economy as well as timing of the secondary micro screen project expenditures being delayed.

Ms. Bellamy requested information on the Enka Bonds. Mr. Powell said he would be happy to provide that information.

f. Fourth Quarter City of Asheville Billing Report:

Mr. Powell reported that at the end of each quarter, the City of Asheville staff prepares a summary of all billing and collection activities for MSD, which is reconciled to beginning and ending account receivable balances. He stated that Net billings were up 3.6% and Cash Receipts were up 7.4%. He further stated that Receivables are down 27.8% due in part to the City implementing a new billing system as of July 1, 2011, which had an impact on the June billing cycles. Year-end net billing and accounts receivable are understated by approximately \$100,000 to \$200,000. This amount will be included in the District's unbilled usage and unbilled receivables at year end, which will increase Net Billings to approximately 4.7%.

g. Consideration of Extension of Standby Bond Purchase Agreement:

Mr. Powell reported that due to impending international banking regulations and current market conditions, staff investigated alternatives for extending the District's current Standby Bond Purchase Agreement. The current agreement is set to expire in December 2013. The District currently pays .55 basis points on outstanding 2008 A&B series revenue bonds. He further reported that staff was able to negotiate an extension of the current agreement for two additional years at .60 basis points for the life of the agreement and recommends the Board extend the current Standby Bond Purchase Agreement with Bank of America through December 2015. He stated that currently, .60 basis points is what most banking entities are giving to AAA utilities and/or GO municipal entities.

Mr. Aceto asked how this will affect thinking on the variable rate debt. Mr. Powell stated that this will give two additional years so the economy can recover for the District to get out of the interest rate swap. The interest rate swap is set at 3.4175 and for the last two years, it's averaged approximately 3.16 and is performing better in low rate environments, but in order to get out of the interest rate swap, it would currently cost the District \$4 million.

Mr. Aceto asked if the District were a counter party in default with Bank of America, could the District lose the benefits of the agreement if Bank of America loses its underlying rate. Mr. Powell said yes. Mr. Aceto stated that this is similar to what happened before when the District had a synthetic fixed rate and it lost its counter party who suddenly did not have an AA rating. Mr. Clarke stated that this was different in that MSD bonds were insured by an insurance company with an AAA rating, and when the insurance company lost this rating, MSD variable rate bonds traded at the insurance company's lower rating. He explained that the bonds are remarketed each week and the Standby Bond Purchase Agreement is in place so that if the bonds are not sold, the bank buys them.

Mr. Aceto stated that he wants the Board to be aware of the possible risks involved and go on record of having taken the time to consider this very carefully. Mr. Hartye stated that worse case is if the District had to terminate the interest rate swap and refund the bonds. Option one, the District could always find someone else to enter into a new Standby Bond Purchase Agreement if Bank of America lost its tier

one status. Option two, the District could terminate the interest rate swap and refund the associated bonds. As time goes on, if the termination fee gets smaller, this may become the desired option. Mr. Aceto asked if Bank of America were to default would the District have to pay the \$4million termination fee on the interest rate swap. Mr. Clarke stated that if the bank's rating falls below its original rating, the District has the right to terminate without paying. Mr. Powell said the District could terminate the Standby Bond Purchase Agreement as well as the Swap. He further stated that even if Bank of America loses its tier one status, the agreement is still in force until the District terminates it. This would mean the District's bonds would reset at a higher weekly rate and there would be time for other parties to step in and negotiate a new Standby Bond Purchase Agreement.

Ms. Bellamy asked Mr. Powell to explain what happened when the insurance company lost its AAA rating and how staff responded. Mr. Powell stated that he was only on staff as Finance Director a few days before this happened and when the insurance company lost its AAA rating, this caused the bonds to reset at 100-150 basis points higher than the market was at that time, which was 1.5%, so the bonds were trading at approximately 3%. Staff went to the rating agencies to see if it could get an AA rating across the board in order to remove the need for insurance, which staff was able to do. Ms. Bellamy stated that staff has spent a lot of time looking at these issues and feels comfortable with their recommendations, therefore the Board should proceed. Ms. Manheimer asked what the alternative is if the District is not relying on the rating of Bank of America. Mr. Clarke stated that the District would re-issue fixed rate bonds instead of variable rate bonds. Ms. Manheimer asked why the decision was made to issue variable rate bonds. Mr. Clarke said to save money. Mr. Powell explained that the pure variable rate bonds have traded at 1.5% over the last six (6) years. The swap has traded at 3.5%. At the time these deals were entered into, the rate on fixed rate bonds was at 5%; saving the District over \$4.2 million since the refunding. Mr. Clarke stated that the Local Government Commission will not allow any entity to have more than 25% of its debt portfolio in variable rate bonds. With no further discussion, Mr. Aceto called for a motion to approve the Consolidated Motion Agenda. Mr. VeHaun moved. Mr. Haner seconded the motion. Roll call vote was as follows: 10 Ayes; 0 Nays.

h. Cash/Commitment Investment Report Month Ending June 30, 2011:

Presented as information only.

9. Old Business:

Mr. Aceto called for a moment of silence in memory of System Services staff, John Mark Crowe who passed away in the line of duty. He stated that he attended the graveside service, which was attended in caravan by MSD staff, Asheville City firefighters and other public service workers and volunteers. He further stated that he was able to speak to his widow to express gratitude for John's service and to share the sorrow of their loss. Mr. Haner expressed his appreciation to Mr. Aceto for the letter he drafted to the Asheville Citizen Times in this regard.

Ms. Manheimer requested that PIN names for condemnations be included as part of the information provided to the Board. Mr. Clarke stated that the Board decided not to include this information, but feels an exception should be made in her case. The Right of Way staff agreed to forward this information.

10. New Business:

None

11. Adjournment:

With no further business, Mr. Aceto called for adjournment at 2:58 p.m.

Jackie W. Bryson, Secretary/Treasurer

REPORT OF GENERAL MANAGER

MEMORANDUM

TO: MSD Board
 FROM: Thomas E. Hartye, P.E., General Manager
 DATE: September 15, 2011
 SUBJECT: Report from the General Manager

- Kudos

Attached is a letter received from Marian Harbison of Sulphur Springs Rd. expressing appreciation for the response and service from Herman Shelton and Robert Burnette.

- Accomplishments Fiscal Year 2011

Attached is a list of Accomplishments for Fiscal year 2011 by Division. I will go over some highlights at the meeting.

- System Services Construction Division Presentation

Mike Stamey, The Construction Services Director will give a brief presentation regarding the responsibilities of the group and a recent sewer rehab job that required an innovative approach.

- Board/Committee Meetings/Events

- There will be a special ROW Committee at 1:30 PM September 21st just prior to the Regular Board Meeting to review two proposed settlements.
- The next Regular Board Meeting will be held October 19th at 2 pm.
- The next Right of Way Committee will be held September 28th at 9am and include a presentation about the ROW section activities and the ROW policy.
- The annual employee picnic will be held September 22nd.
- WEFTEC will be held in Los Angeles October 15-19.
- The State NCAWWA/WEA conference will be held November 13-16 in Concord.

August 8, 2011

Mr. Jim Hemphill, Human Resources
Metropolitan Sewage District
2028 Riverside Drive
Asheville, N.C. 28804

Dear Mr. Hemphill,

I had an emergency in the early morning hours of August 3rd and waited until 7:00 am to call for help. After explaining to the pleasant gentleman at the call center that my washer, tub and toilet overflowed with water and crud, and that I was caring for my recovering mother, he assured me that they would respond to the problem quickly.

In an hour or less, Mr. Herman Shelton was at our property inspecting the pipes and water main holes to find the source of the problem. I was amazed at the responsiveness of MSD and that they indeed treated this situation as a high priority.

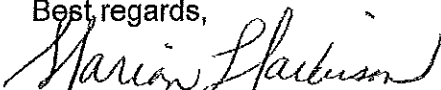
I explained to Mr. Shelton that I would have to move my mother from our home after just recovering from surgery he was more determined to make sure that MSD did all they could within your scope of services to assist. Mr. Shelton discovered at the street level that there was a problem causing major back-up (my terminology is wrong I am sure). He immediately took action to resolve the problem and after recognizing that he needed additional equipment; he created a work order for assistance. Mr. Robert Burnett arrived quickly and it was no time before my water flowed perfectly.

If you wonder what your fine staff of professional, hard-working, capable and caring staffs Mr. Shelton and Mr. Burnett do when dispatched, let me assure you they are taking care of the citizens of Asheville and representing MSD in a highly professional way. Both Mr. Shelton and Mr. Burnett treated our problem the way they would treat their own family or for the head of your organization. You just can't find a finer couple of gentlemen to work with you and to represent your company.

After they left another truck arrived and cleaned the storm drains along the road. I do not think that the drain cleaners came by coincidence; I would almost bet Mr. Shelton and Mr. Burnett made that happen also. From the beginning of this ordeal to end we were back to normal in, what I consider record time.

Please pass my appreciation to Mr. Shelton and Mr. Burnett; I am deeply grateful for their help and hard work.

Best regards,


Marian Harbison

175 Sulphur Springs Road
Asheville, N.C. 28806

Metropolitan Sewerage District of Buncombe County

Accomplishments for Fiscal Year 2011

Capital Improvement Program Division

- Administered a Capital Improvement Program budget of \$22,156,071 with in-house personnel.
- Actively managed 108 projects/line items within the program. These are projects ranging from preliminary design to recently completed.
- 49,099 Linear Feet (LF) of collection system were rehabilitated during FY11. This includes 28,606 LF rehabilitated through contract construction and 20,493 LF rehabilitated in-house by System Services.
- Began construction of the Lake Julian Phase III Interceptor project. This is the largest collection system project in the CIP at 8,194 LF and \$2.5 million. Completion is expected Fall 2011.
- Completed construction of the rehabilitation of the Intermediate Pumping System at the WRF.
- Began construction phase of the Final Microscreen Replacement Project. Completion is expected by mid-2012.
- Completed study of the Weaverville Pumping System. In addition, a significant portion of the force main was rehabilitated, and lowered by 30 feet, as a part of Buncombe County's Training Facility project.
- Added 15 capital projects to the CIP for FY12 and beyond. Additionally, 19 in-house projects were added during FY10-11 for System Services to construct. Design is complete or active for 11 of these projects, and 5 have been constructed as of July 18, 2011.
- Acquired Rights-of-Way across 60 separate properties. Also acquired an entire parcel immediately abutting Weaverville No. 2 Pump Station, for future use.
- Reviewed and amended to MSD standards the plans and easement documents on 27 acquisitions for three City of Asheville Annexation projects.
- Settled three pending condemnation actions, saving expenses of trial.
- Researched and corrected 400 corrupted Parcel Identification Numbers (PIN) so that linked data was available for interface with GIS.
- Changed ROW file storage system from a PIN-based identifier to a unique ROW number identifier. Manually re-filed 5,000 files to accommodate new, more efficient, process.
- GIS Section Participated in many community based events such as Mountain Regional Geographic Advisory Council (MRGAC) and Carolina Geospatial Infrastructure Technology

Association (CGITA) and Carolina Urban and Regional Information Systems Association (CURISA) Water and Wastewater Meeting.

- Received Herb Stout Award from NC Center for Geographic Information and Analysis.
- Administered formal contract construction of 18 capital projects. Also inspected 6 extension projects.
- Actively pursued project coordination with local municipalities. Coordination is accomplished by participation in the local Utilities Coordinating Committee, the CIP Project Lists being sent to local municipalities, and partnering when opportunities arise.

System Services Division

- Achieved an average response time of 36 minutes to customer service requests during regular working hours.
- Achieved an average response time of 38 minutes to customer service requests after hours with the Night First Responder and Night Crew.
- Responded to 1,348 customer service calls during regular working hours.
- Responded to 1,093 customer service calls after hours and holidays.
- Cleaned 584,461 LF of mainline with in-house crews.
- Mechanically removed or chemically treated 71,610 LF of pipeline for roots.
- Completed CCTV inspection of 301,334 LF of pipeline.
- Reduced SSO from 34 in FY10 to 24 in FY11.
- Cleaned and CCTV 20,000 LF of 36" interceptor on the South Swannanoa Interceptor.
- Cleaned and CCTV 23,000 LF of 36" interceptor on the South French Broad interceptor thru the Biltmore Estate property.
- Established a Smoke Testing crew, which has identified several areas of infiltration.
- Assisted in confirming several customers that were not being billed for sewer.
- Eliminated 100% of unconfirmed SSES mapping.
- Established an employee skill based advancement program.
- Started maintaining and servicing Avery's Creek Sewer District.
- Completed 486 emergency and scheduled construction repairs.
- Installed 195 taps.
- Completed 404 manhole repairs.
- Rehabilitated 11,835 LF of pipeline with in-house crews through dig and replace construction.
- Completed 30 IRS repairs resulting in the rehabilitation of 5,812 LF of pipeline with in-house crews.
- Utilized the trenchless method of boring 24 times and pipe bursting on 2 occasions to reduce and or eliminate expensive pavement restoration costs.
- Installed 2,846 LF of point repairs with in-house crews by repairing line sections
- Cleared 21,520 LF of right-of-way

- Entered into paving restoration contract with the City of Asheville for FY 11-12.
- Assisted the Wastewater Reclamation Facility with installation of conduit for fiber optic communications.
- Assembled Sewer Tap Team and won 2nd place in the Operations Challenge competition at the 2010 NC AWWA-WEA State Conference. Team member Jason Brigmon was the “Quickest Cut” Champion for the competition.

Administrative Services Division

Fleet Management

- The Biodiesel program began in July 2003. By end of June 2011, MSD purchased more than 575,000 gallons of B20 replacing more than 100,000 gallons of fossil fuel with oil made from soybeans. This renewable energy also serves to lower air pollution emissions by a corresponding twenty percent.
- The use of E10 (10 percent ethanol) for all gasoline powered vehicles acts to fulfill MSD’s commitment to alternative “green” energy choices. FY11 purchases exceeded 15,000 gallons.
- Maintained an 88% work order completion rate for direct labor on vehicles versus shop time (85% target).

Information Technology (IT)

- Migration of archived As-Builts and aerial imagery from Terastations to Dell EqualLogic SANs
- Implementation of third Dell EqualLogic SANs to support growth of GIS Department and imagery archiving.
- Installed new GIS databases server to support and give way for development of FLEX Web GIS application. Increased file redundancy and overall file access speeds.
- Implementation of disaster recovery Dell EqualLogic SANs to improve data redundancy.
- Maintained VPN/GoToMyPC access path for remote MSD office at Buncombe County Permit location. Enables user to access all MSD resources off site in secure fashion.
- Rolled out over 30+ laptop replacements/installations, 20+ desktop replacements/installations for MSD users.
- Assisted in planning and oversight of fiber optic replacement between Treatment Plant and Blower Building
- Continued use and growth of Dell Blade Container and Dell Servers for future MSD infrastructure growth.
- Continued District-wide systematic hardware and software upgrades as needed. Upgraded backup hardware/software on servers to improve reliability, performance and disaster recovery.
- Maintained a running IT inventory to aid in fastest response time for users with hardware and software problems. We have cut down fix times from days to hours using items in our stocked inventory.
- Upgraded smaller 17" LCD monitors to 20" or above for 75% of MSD employees.
- Implementation of new server room in Treatment Plant Admin building. Clean, secure, temperature controlled environment. Designed to house MSD disaster recovery efforts.
- Continued to maintain numerous methods of tracking and record keeping for IT issues; this

includes, inventory, computer and printer tracking, network mapping, and especially software licensing, etc.

- Implemented new Finance server for MIS/Finance department. Houses Navision database for financial software
- Replaced Treatment Plant control room computers and UPS.

Management Information Systems (MIS)

- Rebuild of the ROW Negotiations Tracking Database
- Together with SAM team - Documented business process, work flow, and needs assessment of all work order systems (WOMS, OSIRIS, Fleet, etc.)
- Ran demos for 2 Work order software solutions in an effort to find replacement, enterprise packages to replace your current Access database
- Assisted in running demos for CCTV camera software
- In coordination with SAM - Scoping out new software solutions to better integrate our business data with GIS making our data more "asset-centric".
- Worked closely with GIS to develop a roadmap for moving forward with software development and implementation schedules.
- Created Parcel Diary module for ROW.
- Designed many retirement/event banners for various departments
- Continued desktop support for any and all current software
- Successfully brought the Hydro database online so that information can be filled out and uploaded remotely from the Hydro Plant using the Internet.
- Evaluated Woodfin Water billing software and data analysis for MSD verification.
- Participated in ISO 14001 Internal Auditor training.

Wastewater Treatment

- Received the National Association of Clean Water Agencies (NACWA) "Peak Performance Award" for ninth consecutive year acknowledging Treatment Plant compliance
- Final Micro-screen Replacement Project – initiated construction phase
- Intermediate Pump Replacement Project - complete
- WRF SCADA – continued improvements to plant, remote pump station & flow monitoring SCADA
- Completed source emission testing & air dispersion modeling @ incinerator
- Continued comprehensive WRF process monitoring/evaluation – RBC & solids separation process
- NPDES permit renewed – cyanide limited removed based on MSD study
- Continued structural systems improvements at WRF and pump stations
- Completed pump motor upgrades @ Carrier Bridge PS (100 HO motors)
- Continued/Expanded Grease Public Education – local schools, civic groups, advertising
- Continued development of in-house replacement work order database for WRF
- Completed (in-house) development of incinerator process control SCADA

- Completed (in-house) install of ORP process control for disinfection /de-chlorination
- Completed (in-house) refurbishment of Schreiber grease removal system
- Obtained designation as Renewable Energy Facility – facilitate sale of renewable energy certificates from hydro production
- Worked with Progress Energy to facilitate completion of electrical supply interconnect at the adjacent substation. Two new transformer banks were included in the upgrade.

Finance Division

- Received the GFOA “Excellence in Financial Reporting” award for the Comprehensive Annual Financial Report (CAFR) for FY ending June 30, 2010.
- Received the GFOA “Distinguished Budget” award for the Budget Document prepared for FY ending June 30, 2011.
- Implemented revisions to monthly board reports with the objective to increase the transparency and understanding of the District’s financial condition.
- As part of auditor recommendations, continued billing agency review initiated in FY10. District’s staff has leveraged GIS flex system and P&D application data with our respective member agencies customer data to check for unbilled sewer customers. To date staff has review approximately 85% of billing agencies water only customers and found 285 customers amounting to \$285,000 of annual review.
- Continuation of paperless office initiative started if FY10. Finance’s goal is to have a completely paperless office in five years. To date staff is approximately 40% completed.
- Implemented auditors recommendation of reengineering of an existing position to add a budget analyst in the Finance Department.
- Renegotiated variable rate liquidity agreement for an additional three years. The District achieved an annual savings of \$54,000 for each year.
- Called \$535,000 of the 1999 Series Revenue Bonds. The District achieved \$24,000 in interest expense savings.
- Assisted Human Resources in substantive changes in the District’s self-insurance plan to achieve ongoing financial sustainability.

Human Resources

- Identified impending retirements and coordinated additional training for "critical position" replacements
- Held 12th Annual Health Fair including Flu shots
- Identified and outfitted “Wellness Room”
- Staffed “Wellness Room” with Physician’s Assistant, providing medical attention at zero cost to the employee; ROI is 2 people treated per session
- Completed Medical/ Physical examinations program for all insured adults
- Implemented Flexible Spending Account (FSA) program, reducing taxable income for MSD and employees
- Mission Hospital staff provided on-site smoking cessation and chronic conditions services
- Provided educational and financial trainings for employees (Elder Care, 401k/457, etc.)

- Increased Employee Relations activities: Heart Disease Awareness day, Breast Cancer Awareness Day, publish Monthly newsletter for health related issues
- Coordinated United Way "Day of Caring"
- Facilitated re-write of System Services Pay & Promotion process
- Held "Wellness Day" focusing on Spouse & dependent benefits education and facilities available

Safety & Environmental Health

- Zero (0) OSHA violations
- Safety programs continue to maintain Risk insurance premium rate below 1.0
- Earned NCDOL Safety Award for seventh consecutive year by maintaining a Lost Workday Case rate less than 50% of the NAICS' SIC code.
- Awarded \$1,500 from the NC League of Municipalities Safety Grant Program.
- Recommended and implemented movement of ISO registration to a self-administered program resulting in a \$4,500 reduction in costs for MSD's EMS
- EHS Assistant completed OSHA "Construction Industry Trainer" allowing for more in-house training

Planning and Development

	FY09	FY10	FY11
Allocations Issued	131	100	80
Sewer Service Applications Approved	983	1,094	1,007
Allocation, Facility and Tap Fees	\$2,959,115	\$1,654,010	\$2,238,171
Affordable Housing Rebates	\$68,520	\$88,840	\$27,420
Plans Reviewed	101	147	46
Permits Issued	60	33	33
Permit Fees	\$36,000	\$19,800	\$19,800
Preconstruction Conferences	23	12	13
Final Inspections	35	16	24
Systems Transferred	52	16	22
Value of Systems Transferred	\$5,920,825	\$947,201	\$1,040,824
Systems Transferred Linear Feet	77,572	10,400	26,361
Civil Penalties Collected	\$1,150	\$0	\$0
TRC Projects	33	22	28
Grading Permits	23	17	31
Minor Subdivision Plats Approved	97	60	39
Unclaimed Sewer Projects	15	12	12
Cost Recovery Paid	\$40,000	\$0	\$23,549

REPORT OF COMMITTEES

PLANNING COMMITTEE

August 29, 2011

2:00 p.m.

Chairman	Members
Al Root	Terry Bellamy
	Jon Creighton
	Esther Manheimer
	Bill Stanley
	Jerry VeHaun
	Bob Watts

The Planning Committee of the Board of the Metropolitan Sewerage District met on Monday, August 29, 2011 in the Boardroom of the Administration Building. Chairman Al Root presided with the following Committee Members present, Terry Bellamy, Jon Creighton, Esther Manheimer, Bill Stanley, Jerry VeHaun and Bob Watts. Others present were: Steve Aceto, Jackie Bryson, Glenn Kelly, Bill Russell, Tom Hartye, General Manager, William Clarke, General Counsel, Gary McGill with McGill Associates, Steve Shoaf, Water Director, Gary Jackson, City Manager, Michael Muller, guest of Bill Russell, Angel Banks and Sondra Honeycutt, MSD.

1. Call to Order:

Mr. Root called the meeting to order at 2:00 p.m.

2. Consideration of Water and Sewer Consolidation Study:

Mr. Hartye asked Mr. Clarke to update the Committee on House Bill 925. Mr. Clarke reported that the original Study Bill (H.B. 925) has been rolled into a large Study Bill consisting of about 50 pages (H.B. 773, Section 2.22) and reads as follows: “The Commission may study whether requiring large cities that have a municipal water system and that are located entirely within a Metropolitan Sewerage District to convey that water system to the district will improve the efficiency of providing public services.” He stated that it goes on to talk about specific issues that could be examined such as financial stability, cost benefit analysis, debt obligation, tax payer investments, etc. He further reported that this bill has not been passed; the legislature has not adopted it, but will look at it again in September. He presented a copy of the page from the Bill that addresses the twelve (12) issues. The entire Bill can be found on the General Assembly Web site.

Mr. Root opened the meeting for discussion. Mr. VeHaun asked if anything needs to be done before the Bill is actually passed. Ms. Bellamy stated that Council unanimously agreed not to support the initiative, and as a member of the Planning Committee, she asked that no action be taken until it knows precisely what the writer of the Bill wanted. Mr. Watts said first, if it’s not broke don’t fix it, and feels Asheville has done a good job of managing its water system. Second, if there’s an entity in Buncombe

County that has the capacity to manage the water system, MSD has the experience as a utility operator to do that, but that he would be opposed to what he would consider a hostile take-over of the water system. Mr. Root asked Mr. Hartye if there was a study, how would this work from a technical standpoint. Mr. Hartye stated that other than the twelve point list presented, you could look at capital reinvestments, operating efficiencies, etc. but would involve a lot of detail. Mr. Root asked if this is something that could be done in-house. Mr. Hartye said it would take both the City and MSD staff. Ms. Bellamy asked if a third party would be involved so it's not biased and if this is what is being sought after by the Committee. Mr. Root stated that the purpose of today's meeting is to decide if the Committee wants to go forward, and if so, how it should go forward. Mr. Hartye stated that one of the questions is whether using a consultant is a good way to go. Mr. Haner stated that he feels it's important for MSD to know how this would impact its daily operations; number of staff needed, their capabilities and, if this goes forward, MSD may want to give some notice to the General Assembly as to whether it supports this or not.

Ms. Manheimer noted that the Bill does not specifically mention Asheville, it just says large cities, and in her experience, when they pass a Study Bill, only a percentage of the issues actually get studied and this would be studied by the Legislative Research Commission. She stated that there seem to be a lot of "what if's" in terms of whether or not this happens and she would hate to spend time and effort on a study if there is no movement from a legislative perspective and there's not momentum on a local level. However, if it's determined that MSD wants to do its own study, in terms of the objectivity, a joint study between the City and MSD, with a consultant, might be a good idea. Mr. Russell asked if a joint study were added to the Study Bill and introduced, would it pass. Mr. Clarke said he would expect it to pass. He explained that if the Bill was passed, it would allow the Legislative Research Commission to study this issue and although the Bill does not say Asheville, there are only two Metropolitan Sewerage District's in the State. He further stated that assuming the Bill passed, there is no guarantee the Legislative Research Commission would Study the Bill, and there is nothing to prevent the City and MSD from doing their own study.

Ms. Bellamy stated that as a member of Council, she does not feel it needs to be studied; the City is instead spending its resources on the system. Ms. Manheimer said her only concern is if the Legislature decided to do the consolidation, the City and MSD should be ready for some of the logistical issues that might arise. Mr. Root said we should at least be in a position to articulate the possible harm to MSD. Mr. Haner stated that if this proceeds to the point of a study, he can visualize hearings being held, so how much time is needed in order to be ready to make a presentation. Mr. Clarke stated that there are lots of potential impacts from legislative action. Mr. Hartye stated that what he is hearing from the Planning Committee is to hold off until something actually happens, yet, be responsive if this goes forward. Also, it seems the preferred structure is to involve

City staff, MSD staff and a consultant of choice, to study the issues. If this has to be studied, he suggested assembling this group to address the twelve (12) items set out in Section 2.22 of the Bill and submitting its finding to the Legislative Study Commission.

Mr. Aceto stated that his concern is for MSD since it has never been on the legislative radar screen, although it has tried many times, and does not have a basic understanding of how it works or an understanding to the extent to which its successful or why and feels that MSD is at risk. He expressed his thanks to the Committee for asking the questions. First, is this trip necessary; do you want to talk about it, and how much are you willing to leave to fortune? Mr. Aceto stated that he does not understand the process and how MSD got to this point. He said this is not about Mr. Moffitt, but about MSD; its future; where it is going, and the long-term view of the community. He further stated that ideally he would like to see a process that the City cooperates in that generates a best case scenario for the utilities going forward. MSD should ask the question, what would be advantageous to the rate payers and to its plans and those of other municipalities? He said this process is similar to consolidation, which took some time. Mr. Root asked Mr. Hartye about the initial steps he would take that would be useful. Mr. Hartye stated that to obtain useful answers there would need to be an in depth study; not just preliminary. In order for MSD to act, this might be the way to go about it, by identifying guidelines and setting up a timetable and getting direction from the Board.

Mr. McGill stated that he would be concerned about spending time gathering a lot of information that may not be needed because of the process. The process that is being suggested is complicated and has a lot of other pieces that are not yet identified and a fair amount of time could be spent putting it together. He asked if it would have some merit to back up some and look at MSD and the City's objectives and decide if there are community based drivers to doing this, which should be mutually beneficial to both parties. He suggested that this should be the first steps taken, which might prepare for something that might come quickly. He stated that the success or failure of this is going to be in the details, not in the objectives; the nuts and bolts of what needs to be put together, then stop to see if the Bill gets passed. Ms. Manheimer asked how this is would be accomplished. Mr. McGill stated that the utility consolidations he's been involved in have failed, not because they did not have merit, but because of the process. He suggested having two or three people from the City and the MSD, along with a facilitator to help guide the discussion to determine why this is being done; what it wants from this, and what it thinks would be mutually beneficial and/or detrimental to both parties.

Mr. Kelly asked if anyone has asked Mr. Moffitt if he would like to hear from MSD, since it seems his mind is made up, and he is the author of the Bill. Mr. Kelly stated that before spending money on a study, it would be worthwhile to contact Mr. Moffitt and tell him that MSD has some thoughts on the Bill and ask him if he would like to hear what the various Members of the Board think about the proposal. He also

suggested the Water Authority contact him as well. Mr. Root stated that in addition to whether or not this is a good idea, there are procedural issues. He asked the Committee if it wants to follow-up on Mr. McGill's idea of cooperation between the City and MSD. Mr. McGill stated that the two parties need to do this together, and from this, it may be determined that there are not sufficient objectives, or mutual benefits to proceed. If this is the case, the Commission needs to know. He further stated that this is not a consolidation of MSD and the City's water system as much as it is a conveyance of the water system to the MSD. Ms. Manheimer stated that Mayor Bellamy has reached out and said, if a Study Commission is formed, the City wants to be part of this discussion, and MSD might also ask for a seat at the table with some coordination of data, or send a letter saying it wants to be part of the process. Mr. Stanley said whatever the City wants to do he would stand behind it. Mr. Haner stated if a study is done by the Commission, the testimony that proceeds that has to be as objective as possible, and if MSD has an opportunity to enter some comments that changes the course, however slightly, and does not take it, then it is coming in after the fact. Ms. Bellamy asked Mr. McGill if there has been a study done in the past relating to MSD and the City. Mr. McGill said not to his knowledge. Ms. Bellamy asked if there is a baseline of information that talks about cost savings that would be realized by the rate payers. Mr. Hartye said no. A discussion followed as to whether the best course of action would be to send a joint letter from MSD and the City requesting that they be part of any study. Ms. Bellamy asked if the Bill must pass both the House and the Senate. Mr. Clarke stated that the Bill must pass both Houses of the North Carolina General Assembly to become law and as of today at 11:00 a.m. it has not passed. Mr. Root called for a motion.

Ms. Manheimer moved that the Committee direct the Chairman and Mr. Clarke to draft a joint letter on behalf of the City of Asheville and the MSD to the legislative representation, the President Pro tem and the Speaker, requesting that if and when a Commission to perform a study is directed under Section 2.22 of House Bill 773, that both the MSD and the City of Asheville be afforded a seat on that Study Commission. Mr. Stanley seconded the motion. Ms. Bellamy stated that Mr. Clarke's recommendation is to send the letter after House Bill 773 has passed both the House and Senate and becomes law. Following a discussion regarding the wording of the motion, Mr. Root called for the question. Voice vote in favor of the motion was unanimous.

3. Old/New Business:

None

4. Adjournment:

With no further business, Mr. Root called for adjournment at 2:50 p.m.

CONSOLIDATED MOTION AGENDA

Metropolitan Sewerage District of Buncombe County

BOARD ACTION ITEM

BOARD MEETING DATE: September 21, 2011

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

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

SUBJECT: Dingle Creek Interceptor @ Crowfields Phase 2
MSD Project No. 2004036

BACKGROUND: This project is for the replacement of a portion of an existing interceptor line serving the Dingle Creek Basin in South Asheville.

The existing 15-inch line contains a combination of old vitrified clay and PVC repairs. It has separated joints, cracked/broken pipes, and sections where the existing pipe slope is too flat to adequately carry the existing flows.

Phase I was a cooperative effort with the City of Asheville. The City received ARRA stimulus funding to install stormwater improvements in this area, but the sewer had to be relocated first. Due to the City's accelerated schedule, MSD performed the relocation portion ahead of the original schedule.

The remaining portion, Phase II, is comprised of 1136 LF of 8-inch through 18-inch DIP.

The project was advertised and seven bids were received on September 8, 2011 in the following amounts:

<u>Bidder</u>	<u>Bid</u>
1) Huntley Construction Company	\$ 286,458.00
2) Moore & Son Site Contractors	\$ 277,953.00
3) Payne, McGinn & Cummins, Inc.	\$ 256,942.19
4) Freestone Contraction. LLC	\$ 233,906.00
5) Buchanan and Sons, Inc.	\$ 232,209.50
6) Terry Brothers Construction Co.	\$ 189,478.50
7) T&K Utilities	\$ 175,854.00

The apparent low bidder is T&K Utilities. T&K 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 FY11-12 Construction Budget is \$340,300.00.

STAFF RECOMMENDATION: Staff recommends award of this contract to T&K Utilities, Inc. in the amount of \$175,854.00, subject to review and approval by District Counsel.

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

**Dingle Creek Interceptor @ Crowfields, Phase II
Sewer Replacement
Project No. 2004036**

**BID TABULATION
September 8, 2011**

BIDDER	MBE Form	Bid Forms (Proposal)	Total Bid Amount
Huntley Construction Company Asheville, NC	1	Yes	\$286,458.00
Moore and Son Site Contractors Mills Rivers, NC	1	Yes	\$277,953.00
Payne, McGinn & Cummins, Inc. Travelers Rest, SC	2	Yes	\$256,942.19
Freestone Construction, LLC Hazelwood, NC	1	Yes	\$233,906.00
Buchanan and Sons, Inc. Whittier, NC	1	Yes	\$232,209.50
Terry Brothers Construction Company Leicester, NC	1	Yes	\$189,478.50
T & K Utilities, Inc. Asheville, NC	1	Yes	\$175,854.00

APPARENT LOW BIDDER

 9/9/11
F. Roger Watson
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 8th day of September, 2011, 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 bond was required.

Interoffice Memorandum

TO: Tom Hartye, General Manager

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

DATE: September 8, 2011

RE: Dingle Creek Interceptor @ Crowfields – Phase II - 2004036

This project is for the replacement of a portion of an existing sanitary sewer interceptor line along Dingle Creek across property owned by the Crowfields Homeowners Association. This project is one of five projects which will upgrade, over the next five years, the Dingle Creek Interceptor line and several collector lines between the US Park Service property (Blue Ridge Parkway) and residential properties east of US 25A (Sweeten Creek Road). The project is generally located west of US 25 in south Asheville. In 2010, MSD completed Phase 1 of the sewer rehab project for this area, in conjunction with a City of Asheville Federal Stimulus storm drainage project.

The existing line contains a combination of old vitrified clay and PVC repairs. It has separated joints, cracked/broken pipes, and sections where the existing pipe slope is too flat to adequately carry the existing flows. These aspects have contributed to numerous maintenance problems with this line including backups and overflows. This portion of MSD's collection system has been identified by MSD's System Services Dept. as one of their higher maintenance priorities.

Proposed construction for this project is within the Crowfield Homeowners Association's property. MSD's ROW staff has worked with the Association's management to secure the easement across this property. McGill & Associates was retained by MSD to design this project, to prepare the necessary plans, and to secure appropriate regulatory permits.

The existing 15-inch and 18-inch line will be replaced with 976 LF of 18" DIP and the existing 8" VCP main will be replaced with 160 L.F. of 8" DIP main. New service lines will be installed to connect the old services to the new mains.

Bids were received at 2:00 PM on Tuesday, September 8, 2011. Bids were received from Seven bidders and the results of those bids are shown below:

<u>Bidder</u>	<u>Bid</u>
1) Huntley Construction Company, Asheville, NC	\$ 286,458.00
2) Moore & Son Site Contractors, Mills River, NC	\$ 277,953.00
3) Payne, McGinn & Cummins, Inc., Travelers Rest, SC	\$ 256,942.19
4) Freestone Contraction, LLC, Hazelwood, NC	\$ 233,906.00
5) Buchanan and Sons, Inc., Whittier, NC	\$ 232,209.50
6) Terry Brothers Construction Company, Leicester, NC	\$ 189,478.50
7) T & K Utilities, Asheville, NC	\$ 175,854.00

T&K's bid is within the FY12 budgeted funds of \$340,300.00 allocated for this project.

Staff recommends that this project be awarded to T & K Utilities of Asheville, NC in the amount of \$175,854.00, subject to review and approval by MSD Legal Counsel.

METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, NORTH CAROLINA

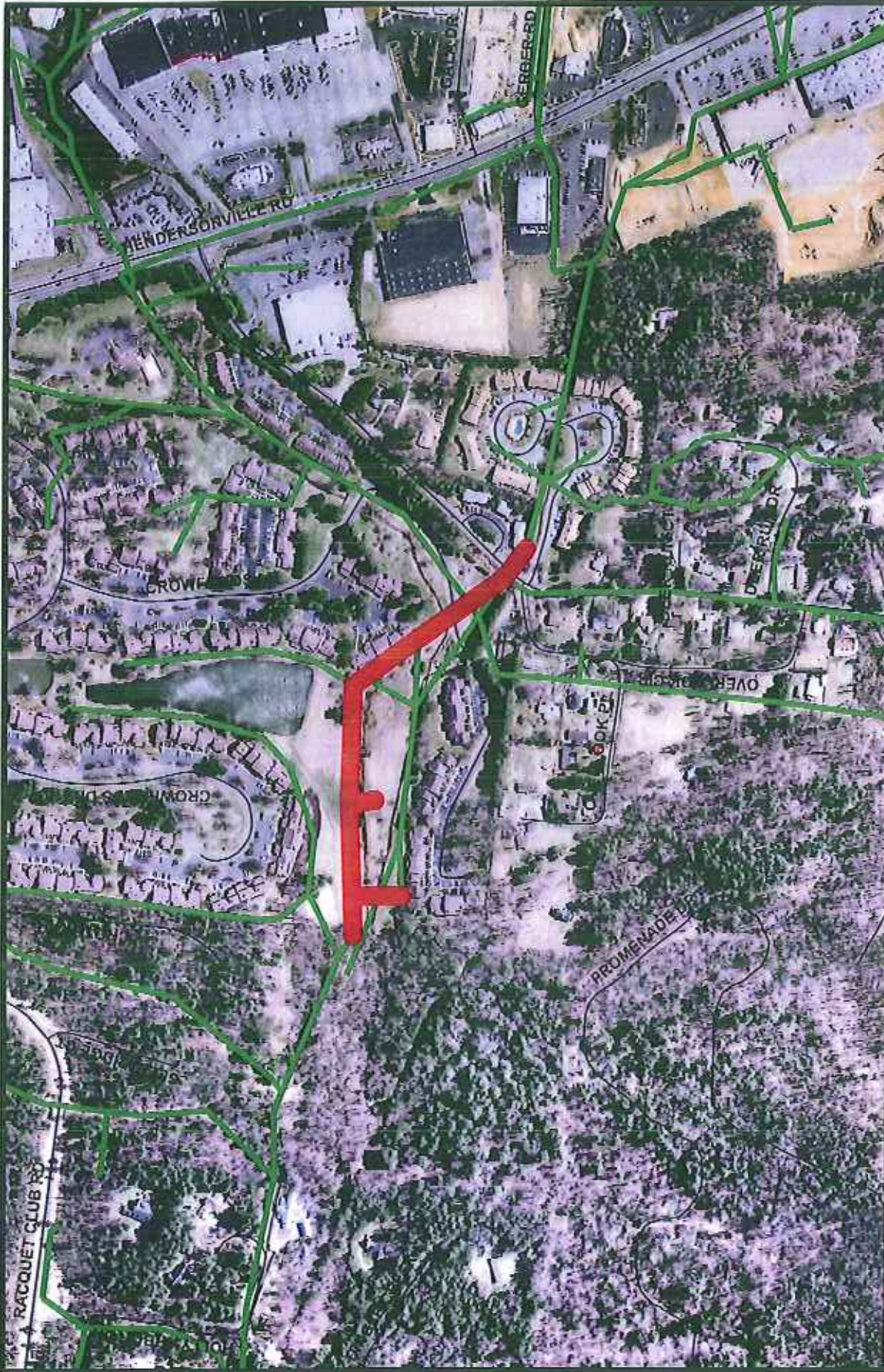
CAPITAL IMPROVEMENT PROGRAM

BUDGET DATA SHEET - FY 2011 - 2012

PROJECT:	Dingle Creek at Crowfields	LOCATION:	Asheville	REVIEWED BY:
TYPE:	Interceptor	DATE OF REPORT:	January-11	LB
PROJECT NO.	2004036	TOTAL L.F.:	2,307	RW
PROJECT BUDGET:	\$520,815.00	PROJECT ORIGIN:	SSO's, Work Orders, Line Condition	AD

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 6/30/10	TOTAL COSTS JULY - DEC 10	EST. COST JAN - JUNE 11	EST. BUDGET FY 11-12
01 - SURVEY / EASEMENT PLATS # PLATS: [3]	\$18,500.00	\$18,255.00			
02 - LEGAL FEES	\$9,034.00	\$9,034.00			
03 - ENGINEERING ASSISTANCE	\$1,431.00	\$1,431.00			
04 - ACQUISITION SERVICES					
05 - COMPENSATION	\$27,400.00	\$27,400.00			
06 - APPRAISAL	\$2,750.00	\$2,750.00			
07 - CONDEMNATION					
08 - ENVIRONMENTAL SURVEY					
09 - PRELIM. ENG. REP.					
10 - DESIGN / ASBUILT SURVEYS	\$40,200.00	\$37,119.00		\$400.00	
11 - ENVIRONMENTAL ASSESSMENT					
12 - ARCHAEOLOGICAL					
13 - GEOTECHNICAL					
14 - CONSTRUCTION CONTRACT ADM.					
15 - CONSTRUCTION	\$418,000.00	\$75,531.00		\$2,100.00	\$340,300.00
16 - PERMITS	\$1,600.00		\$700.00	\$700.00	
17 - PUBLIC MEETINGS					
18 - TESTING	\$2,000.00				\$2,000.00
TOTAL AMOUNT	\$520,815.00	\$171,517.00	\$700.00	\$3,200.00	\$342,300.00

ENGINEER:	McGill Associates	ESTIMATED BUDGETS - FY '12-'21
CONTRACTOR:		FY 12-13 \$2,600.00
CONSTRUCTION ADMINISTRATION:	MSD	FY 13-14 \$0.00
INSPECTION:	MSD	FY 14-15 \$0.00
R.O.W. ACQUISITION:	MSD	FY 16-18 \$0.00
		FY 18-17 \$0.00
PROJECT NOTES:	Phase 1 - L.F.: 890	FY 17-18 \$0.00
	Phase 2 - L.F.: 1,477	FY 18-19 \$0.00
		FY 19-20 \$0.00
		FY 20-21 \$0.00



Dingle Creek Interceptor at Crowfields Phase 2 Project No. 2004036

NOT TO SCALE



METROPOLITAN SEWERAGE DISTRICT
of
BURDETTE COUNTY, NORTH CAROLINA

Budget Map

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 21, 2011

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

PREPARED BY: David Monteith, Kevin Johnson

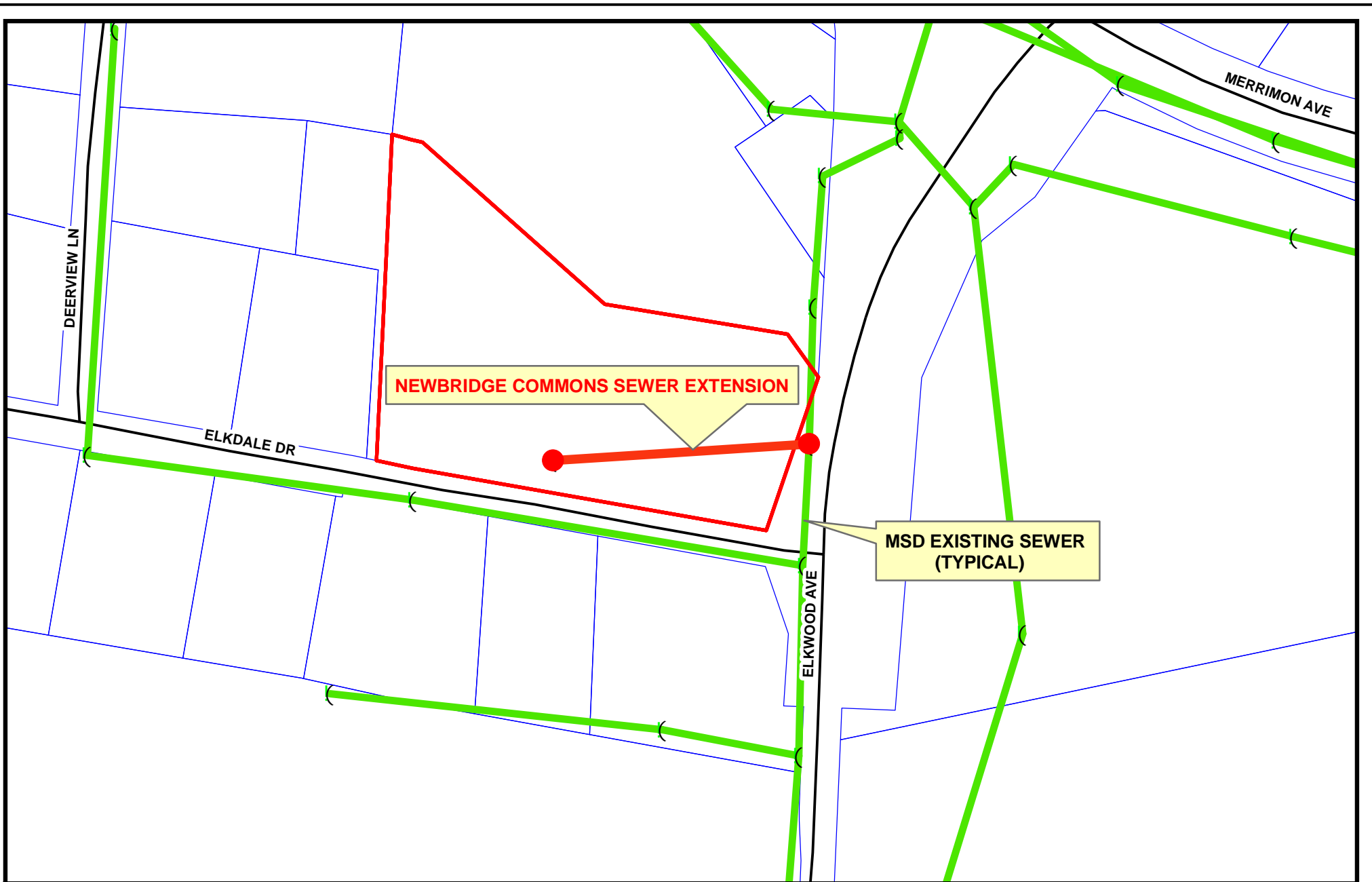
REVIEWED BY: Stan Boyd, PE, Engineering Director

SUBJECT: Acceptance of Developer Constructed Sewer System for The Newbridge Commons Sewer Extension Project.

BACKGROUND: This project is located inside the District boundary off Elkwood Avenue in the Town of Woodfin. The developer of the project is Rob Merrill. The project included the installation of approximately 196 linear feet of 8" gravity sewer to serve a Commercial Development. A wastewater allocation was issued in the amount of 2000 GPD for the project. The estimated cost of the sewer extension is \$20,000.00.

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:	



Project # 2008070

Not To Scale



METROPOLITAN SEWERAGE DISTRICT
of
BUNCOMBE COUNTY, NORTH CAROLINA

**Newbridge Commons
Sewer Extension**

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 21, 2011

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

PREPARED BY: David Monteith, Kevin Johnson

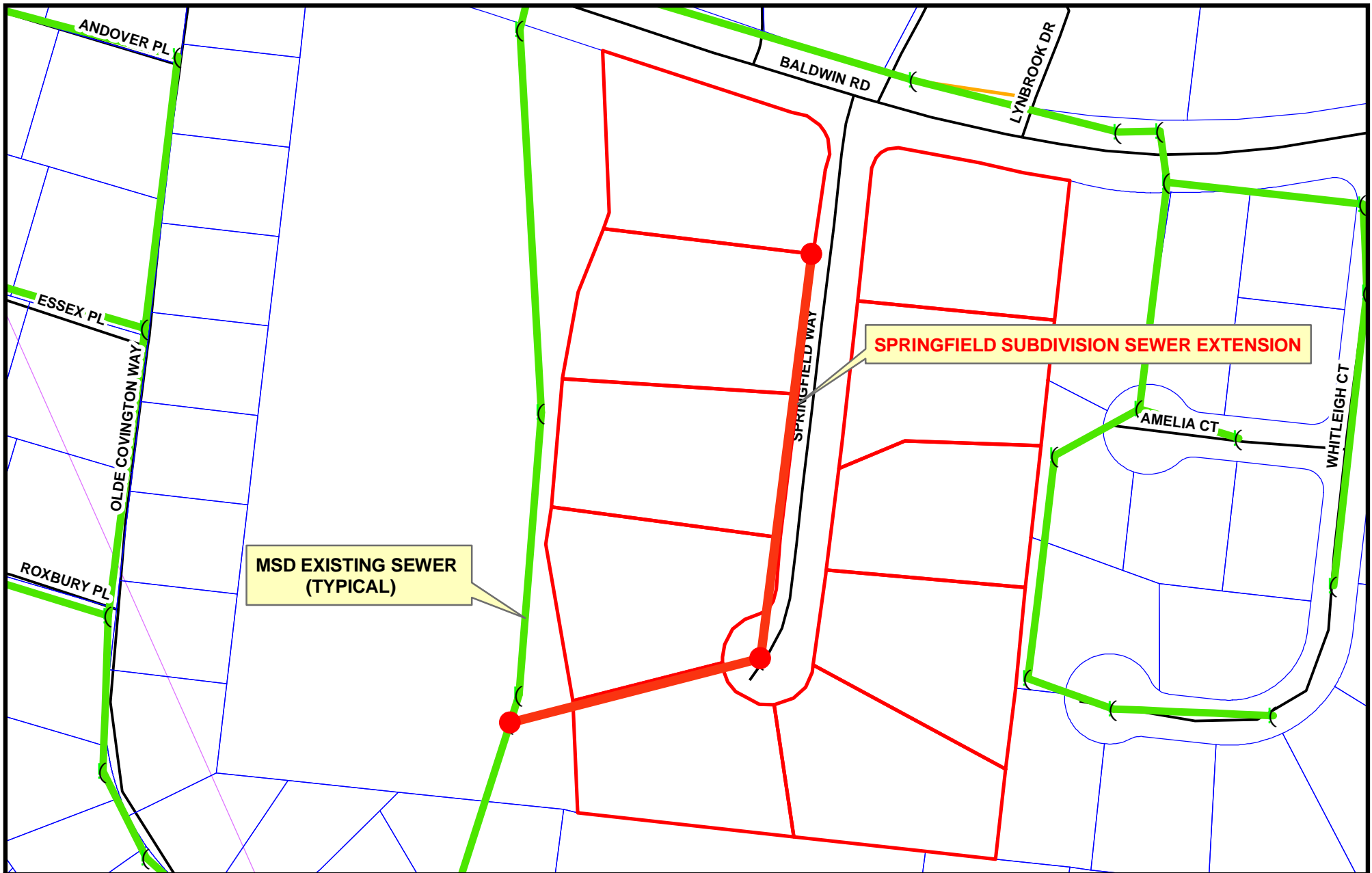
REVIEWED BY: Stan Boyd, PE, Engineering Director

SUBJECT: Acceptance of Developer Constructed Sewer System for The Springfield Subdivision.

BACKGROUND: The Springfield subdivision is a ten (10) unit residential development constructed in 1993 in Buncombe County outside the District Boundary off of Baldwin Road. Since the project was outside the district, it was not conveyed at the time of construction even though it was built to public standards and inspected by the MSD. The homeowners have been responsible for the maintenance of the system serving the subdivision and desire to get out of the sewer business. The original subdivision plats did not show easements on all lots where the sewer lines were outside of road rights of way. The homeowners association worked with the District and acquired and recorded the required easements. This process has taken many months. The documentation has now been recorded to transfer the system. This system includes approximately 593 linear feet of gravity sewer. The approximate value of this system is \$29,650.00.

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:	



Project # 1993167

Not To Scale



METROPOLITAN SEWERAGE DISTRICT
of
BUNCOMBE COUNTY, NORTH CAROLINA

**Springfield Subdivision
Sewer Extension**

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 21, 2011

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

PREPARED BY: David Monteith, Kevin Johnson

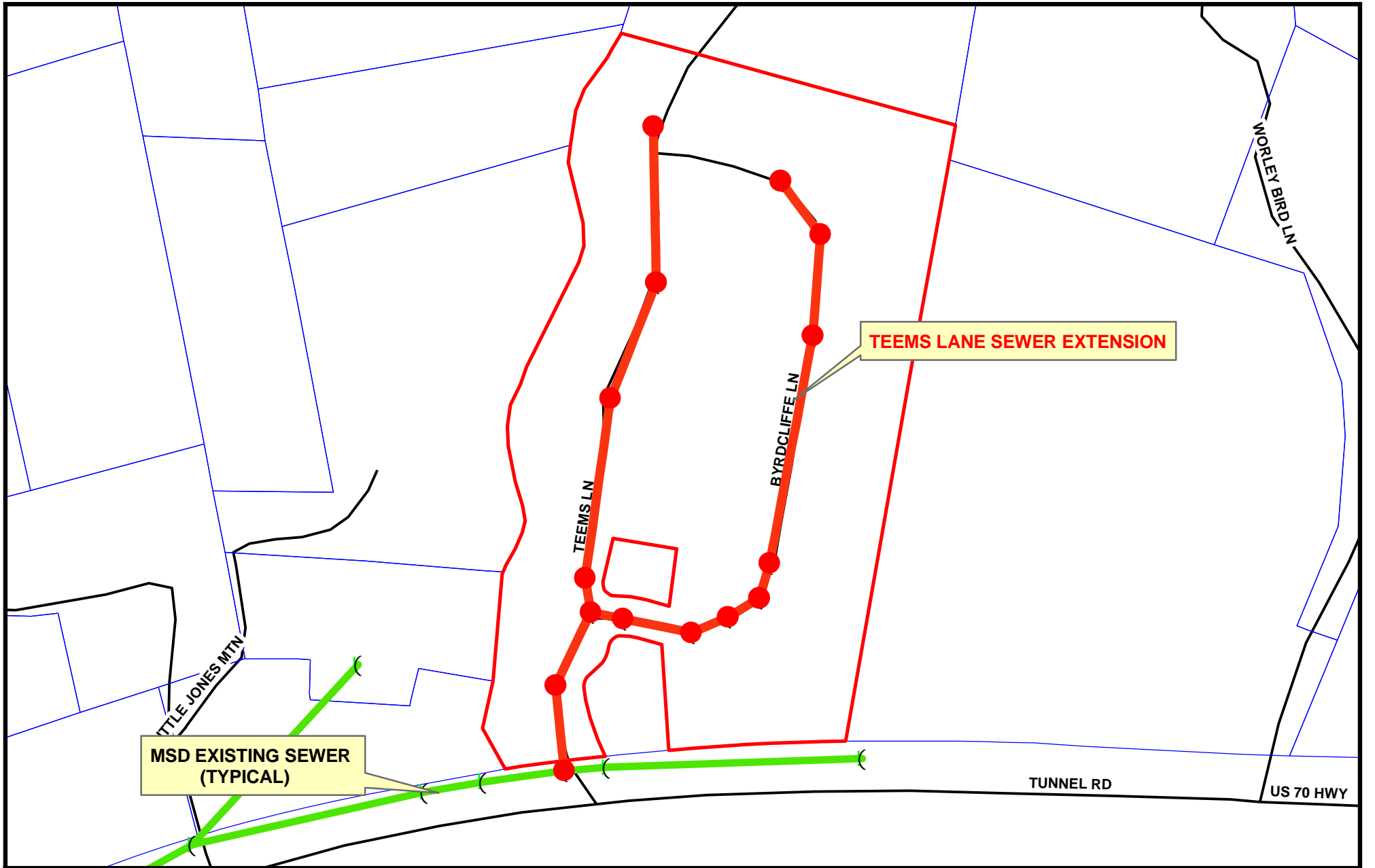
REVIEWED BY: Stan Boyd, PE, Engineering Director

SUBJECT: Acceptance of Developer Constructed Sewer System for The Teems Lane (aka Byrdcliffe) Sewer Extension Project.

BACKGROUND: This project is located inside the District boundary off U.S. Hwy 70 in Buncombe County. The developer of the project is Matt King. The project included the installation of approximately 1,307 linear feet of 8" gravity sewer to serve a forty (40) unit residential development. A wastewater allocation was issued in the amount of 12,000 GPD for the project. The estimated cost of the sewer extension is \$96,000.00.

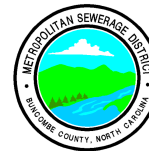
STAFF RECOMMENDATION: Acceptance of developer constructed sewer system.
(All MSD requirements have been met)

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:	



Project # 2007143

Not To Scale



METROPOLITAN SEWERAGE DISTRICT
of
BUNCOMBE COUNTY, NORTH CAROLINA

Teems Lane
Sewer Extension

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 21, 2011

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

PREPARED BY: David Monteith, Kevin Johnson

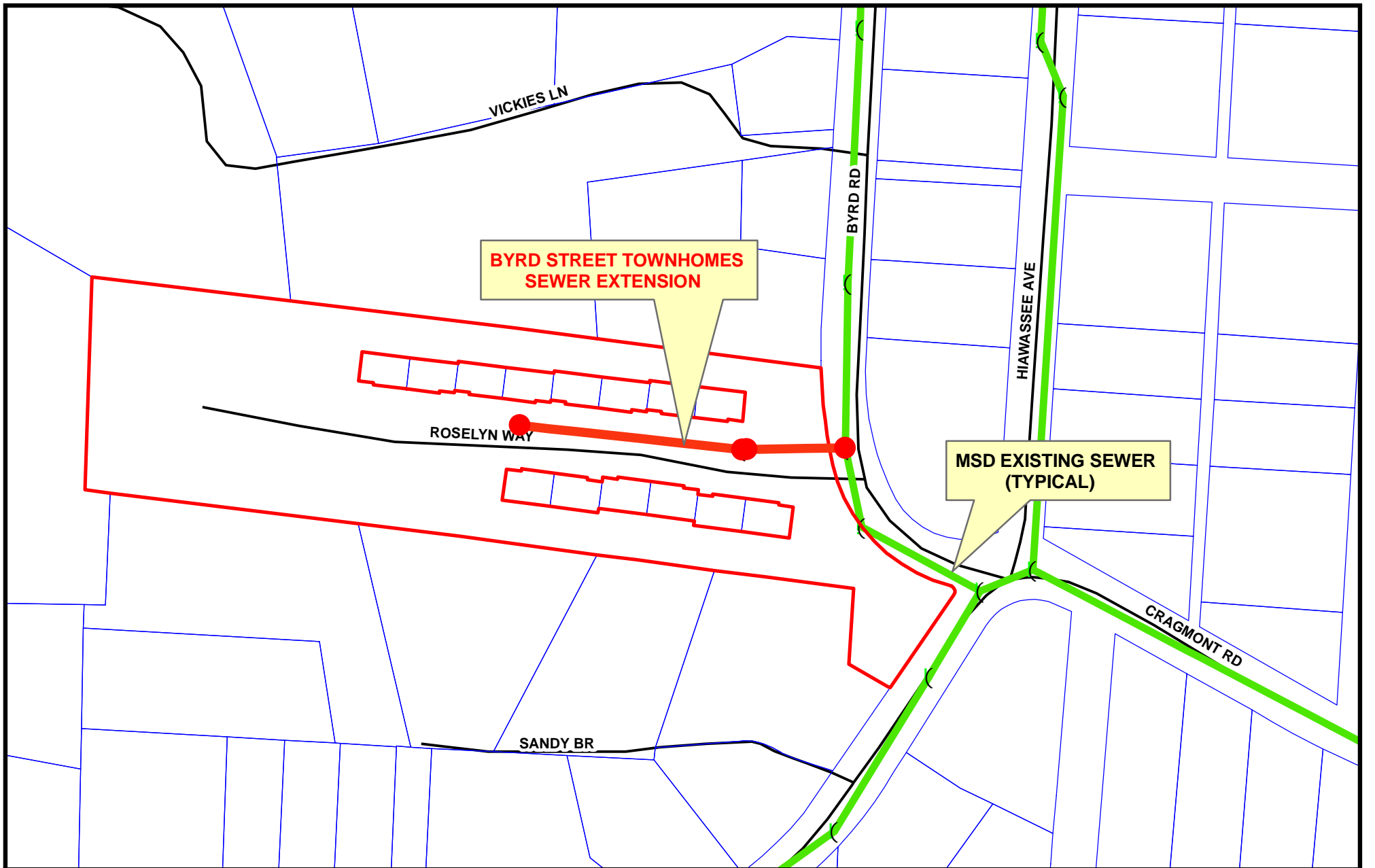
REVIEWED BY: Stan Boyd, PE, Engineering Director

SUBJECT: Acceptance of Developer Constructed Sewer System for The Byrd Street Townhomes Sewer Extension Project.

BACKGROUND: This project is located inside the District boundary off Byrd Road in the Town of Black Mountain. The developer of the project is Rod Hubbard of RJH Development II, LLC. The project included the installation of approximately 292 linear feet of 8" gravity sewer to serve a forty (40) unit residential development. A wastewater allocation was issued in the amount of 12,000 GPD for the project. The estimated cost of the sewer extension is \$30,000.00.

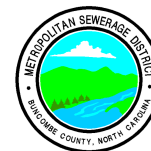
STAFF RECOMMENDATION: Acceptance of developer constructed sewer system.
(All MSD requirements have been met)

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:	



Project # 2007085

Not To Scale



METROPOLITAN SEWERAGE DISTRICT
of
BUNCOMBE COUNTY, NORTH CAROLINA

**Byrd Street Townhomes
Sewer Extension**

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 21, 2011

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

PREPARED BY: David Monteith, Kevin Johnson

REVIEWED BY: Stan Boyd, PE, Engineering Director

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

BACKGROUND: This project is located inside the District boundary off Deaverview Road in the City of Asheville. The developer of the project is Rich Olejniczak of Mountain Housing Opportunities, Inc. The project included the installation of approximately 807 linear feet of 8" gravity sewer to serve a seventy-two (72) unit multifamily residential development. A wastewater allocation was issued in the amount of 15,500 GPD for the project. The estimated cost of the sewer extension is \$40,000.00.

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:	

Westmore Commons Sewer Extension

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 21, 2011

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

PREPARED BY: David Monteith, Kevin Johnson

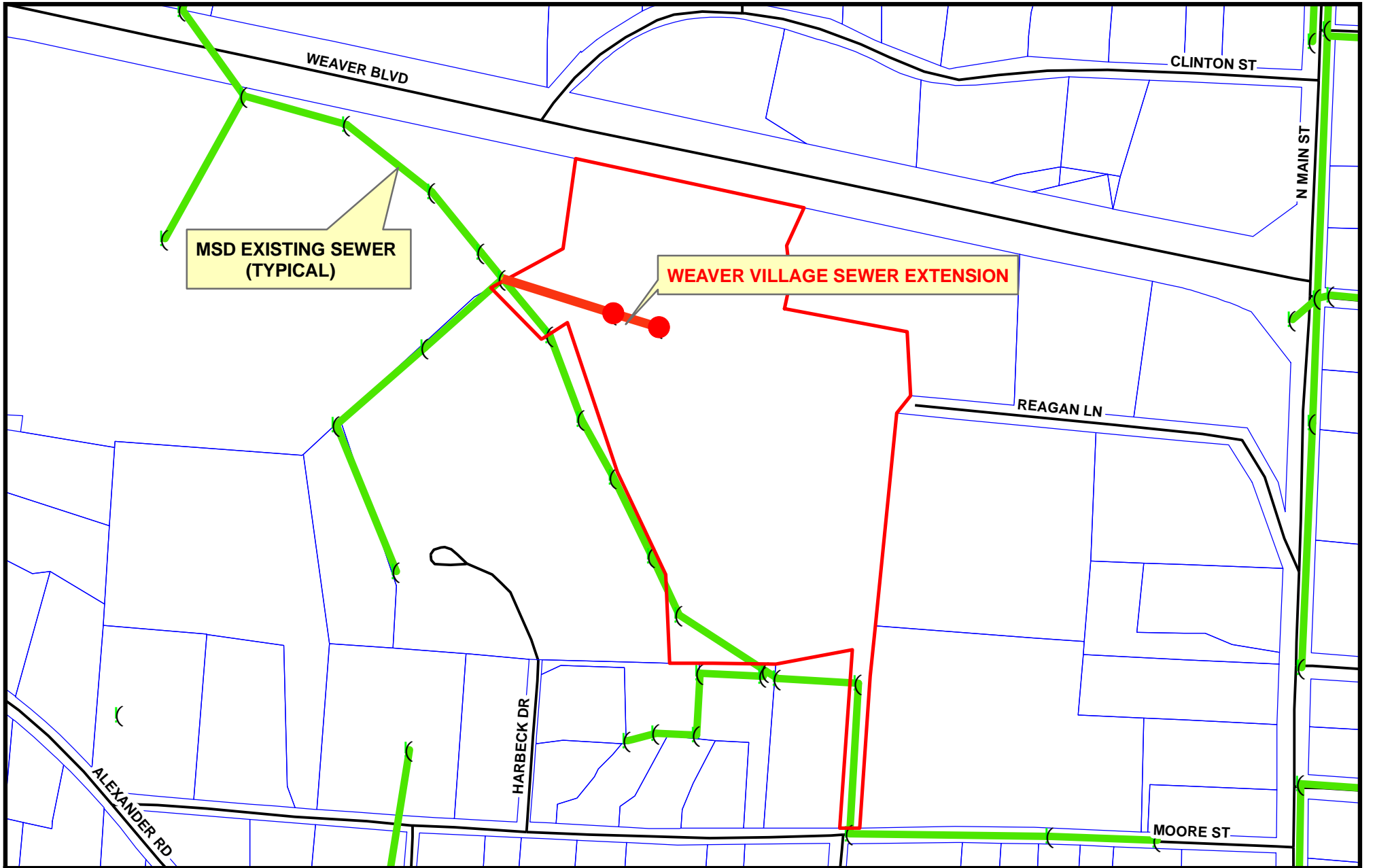
REVIEWED BY: Stan Boyd, PE, Engineering Director

SUBJECT: Acceptance of Developer Constructed Sewer System for the Weaver Village Phase I Sewer Extension Project.

BACKGROUND: This project is located inside the District boundary off Weaver Boulevard in the Town of Weaverville. The developer of the project is Greg Phillips of Weaverville Partners, LLC. The project included the installation of approximately 263 linear feet of 8" gravity sewer to serve a four (4) unit commercial development. A wastewater allocation was issued in the amount of 2,000 GPD for the project. The estimated cost of the sewer extension is \$12,000.00.

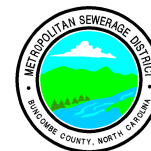
STAFF RECOMMENDATION: Acceptance of developer constructed sewer system.
(All MSD requirements have been met)

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:	



Project # 2008045

Not To Scale



METROPOLITAN SEWERAGE DISTRICT
of
BUNCOMBE COUNTY, NORTH CAROLINA

**Weaver Village
Sewer Extension**

Metropolitan Sewerage District of Buncombe County

BOARD INFORMATIONAL ITEM

Meeting Date: September 21, 2011

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

Prepared By: W. Scott Powell, CLGFO, Director of Finance

Subject: Cash Commitment/Investment Report-Month Ended July 31, 2011

Background

Each month, staff presents to the Board an investment report for all monies in bank accounts and specific investment instruments. The total investments as of July 31, 2011 were \$37,443,706. The detailed listing of accounts is available upon request. The average rate of return for all investments is 1.070%. These investments comply with North Carolina General Statutes, Board written investment policies, and the District's Bond Order.

The attached investment report represents cash and cash equivalents as of July 31, 2011 does not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of July 31, 2011 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is (\$8,260,370).

Total Cash & Investments as of 07/31/2011		37,443,706
Less:		
Budgeted Commitments (Required to pay remaining FY12 budgeted expenditures from unrestricted cash)		
Construction Funds	(18,636,676)	
Operations & Maintenance Fund	(13,359,854)	
		(31,996,530)
Bond Restricted Funds		
Bond Service (Funds held by trustee):		
Funds in Principal & Interest Accounts	(17,150)	
Debt Service Reserve	(2,663,782)	
Remaining Principal & Interest Due	<u>(7,422,046)</u>	
		(10,102,978)
District Reserve Funds		
Fleet Replacement	(612,068)	
WWTP Replacement	(794,972)	
Maintenance Reserve	<u>(813,686)</u>	
		(2,220,726)
Post-Retirement Benefit		(647,348)
Self-Funded Employee Medical		<u>(736,494)</u>
Designated for Capital Outlay		<u><u>(8,260,370)</u></u>

Staff Recommendation

None. Information Only.

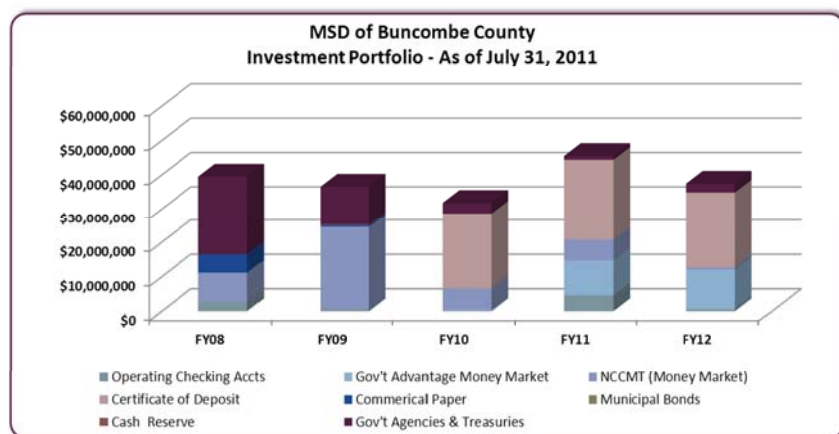
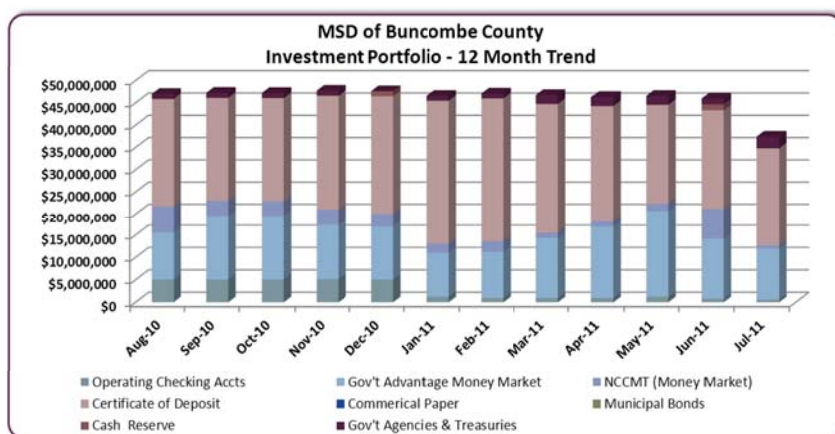
Action Taken

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

Metropolitan Sewerage District of Buncombe County Investment Portfolio

	Operating Checking Accounts	Gov't Advantage Money Market	NCCMT (Money Market)	Certificate of Deposit	Commercial Paper	Municipal Bonds	Cash Reserve	Gov't Agencies & Treasuries	Total
Held with Bond Trustee	\$ -		\$ 62,433				\$ -	\$ 2,618,499	\$ 2,680,932
Held by MSD	589,654	11,437,174	599,095	22,136,851	-	-	-	-	34,762,774
	\$ 589,654	\$ 11,437,174	\$ 661,528	\$22,136,851	\$ -	\$ -	\$ -	\$ 2,618,499	\$ 37,443,706

Investment Policy Asset Allocation	Maximum Percent	Actual Percent	
U.S. Government Treasuries, Agencies and Instrumentalities	100%	6.99%	No significant changes in the investment portfolio as to makeup or total amount.
Bankers' Acceptances	20%	0.00%	
Certificates of Deposit	100%	59.12%	
Commercial Paper	20%	0.00%	The District 's YTM of .99% is exceeding the YTM benchmarks of the 6 month T-Bill and NCCMT Cash Portfolio.
North Carolina Capital Management Trust	100%	1.77%	
Checking Accounts:	100%		All funds invested in CD's, operating checking accounts, Gov't Advantage money market are fully collateralized with the State Treasurer.
Operating Checking Accounts		1.57%	
Gov't Advantage Money Market		30.54%	



Board Meeting

September 21, 2011

Subject: Cash Commitment/Investment Report-Month Ended July 31, 2011

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**METROPOLITAN SEWERAGE DISTRICT
INVESTMENT MANAGERS' REPORT
AT JULY 31, 2011**

Summary of Asset Transactions

	Original Cost	Market	Interest Receivable
Beginning Balance	\$ 35,829,491	\$ 35,829,491	\$ 236,038
Capital Contributed (Withdrawn)	(2,095,709)	(2,095,709)	
Realized Income	4,411	4,411	
Unrealized/Accrued Income	-	-	22,517
Ending Balance	<u>\$ 33,738,193</u>	<u>\$ 33,738,193</u>	<u>\$ 258,555</u>

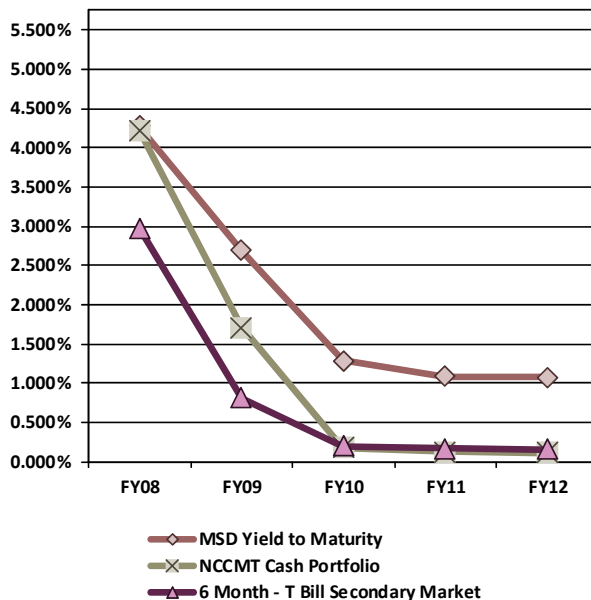
Value and Income by Maturity

	Original Cost	Income
Cash Equivalents <91 Days	\$ 11,601,342	\$ 9,259
Securities/CD's 91 to 365 Days	22,136,851	\$ 17,668
Securities/CD's > 1 Year	-	-
	<u>\$ 33,738,193</u>	<u>\$ 26,928</u>

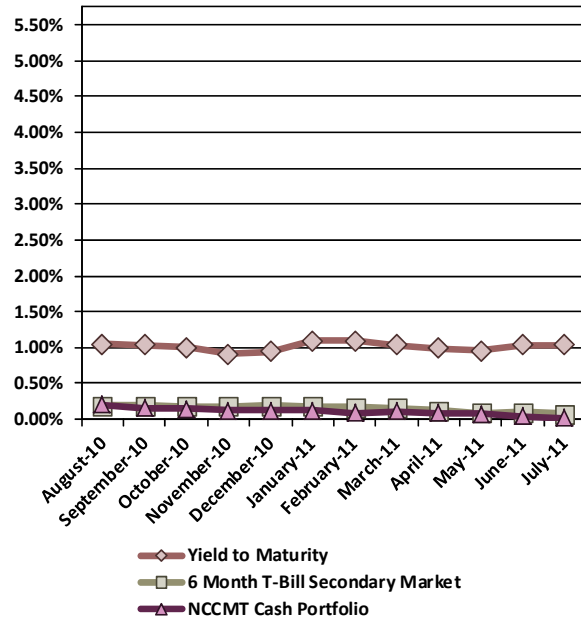
Month End Portfolio Information

Weighted Average Maturity	349 Days
Yield to Maturity	1.03%
6 Month T-Bill Secondary Market	0.08%
NCCMT Cash Portfolio	0.02%

**Metropolitan Sewerage District
Annual Yield Comparison**



**Metropolitan Sewerage District
Yield Comparison - July 31, 2011**



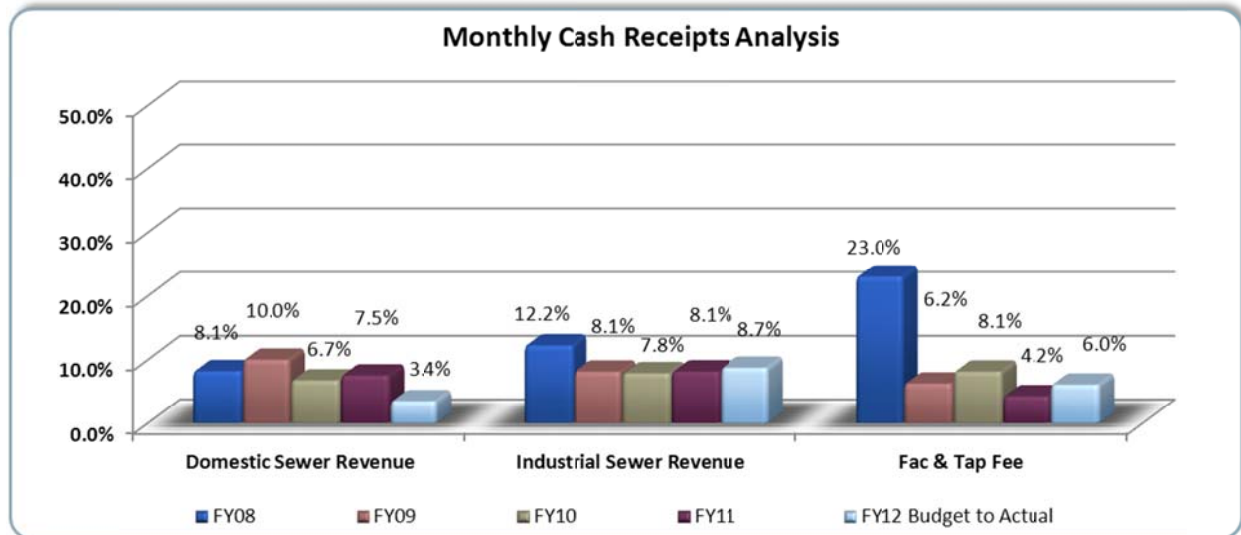
Board Meeting

September 21, 2011

Subject: Cash Commitment/Investment Report-Month Ended July 31, 2011

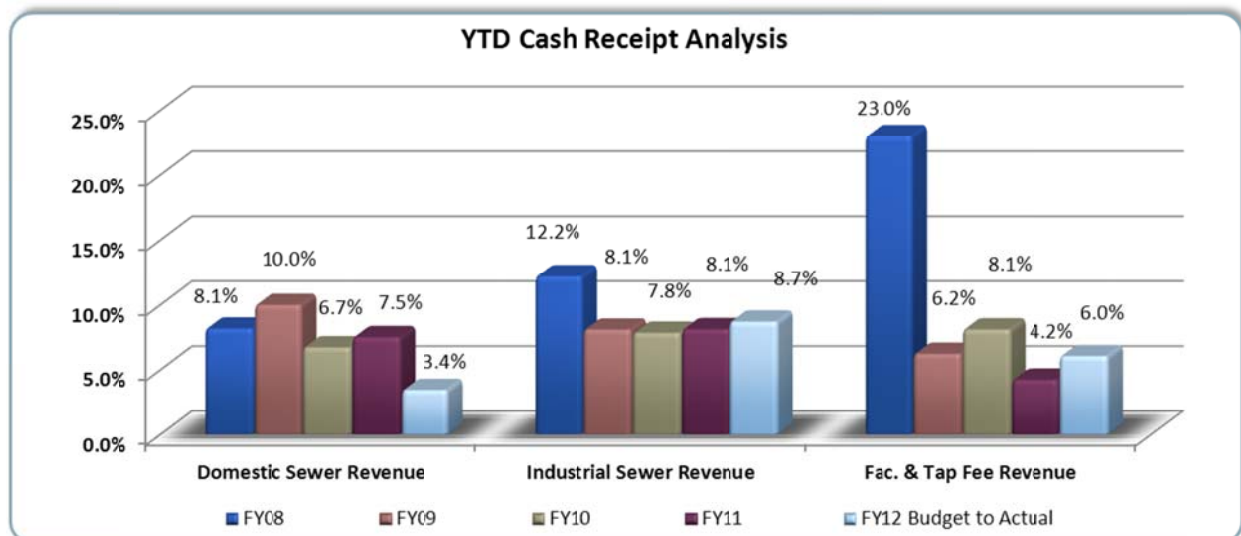
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METROPOLITAN SEWERAGE DISTRICT ANALYSIS OF CASH RECEIPTS AS OF JULY 31, 2011



Monthly Cash Receipts Analysis:

- ✦ Due to the City of Asheville's implementation of their Munis Billing System, cash receipts were delayed. This impacted July receipts and will be resolved in the following two (2) months.
- ✦ Monthly industrial sewer revenue is considered 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:

- ✦ Due to the City of Asheville's implementation of their Munis Billing System, cash receipts were delayed. This impacted July receipts and will be resolved in the following two (2) months.
- ✦ YTD industrial sewer revenue is considered reasonable based on historical trends.
- ✦ YTD facility and tap fee is higher due to two unexpected developments.

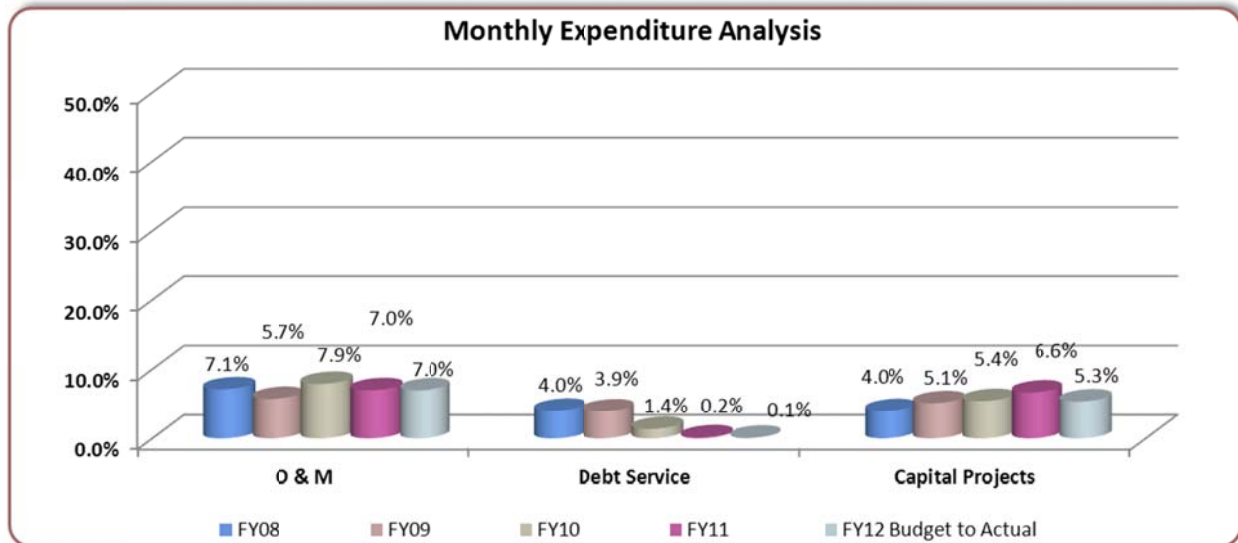
Board Meeting

September 21, 2011

Subject: Cash Commitment/Investment Report-Month Ended July 31, 2011

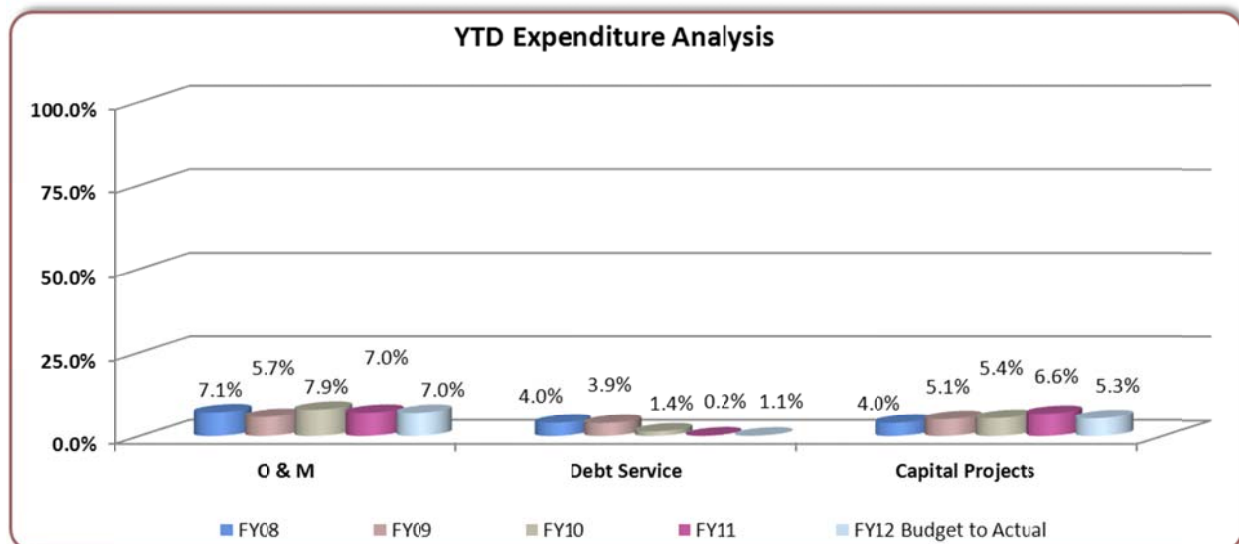
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METROPOLITAN SEWERAGE DISTRICT ANALYSIS OF EXPENDITURES AS OF JULY 31, 2011



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.

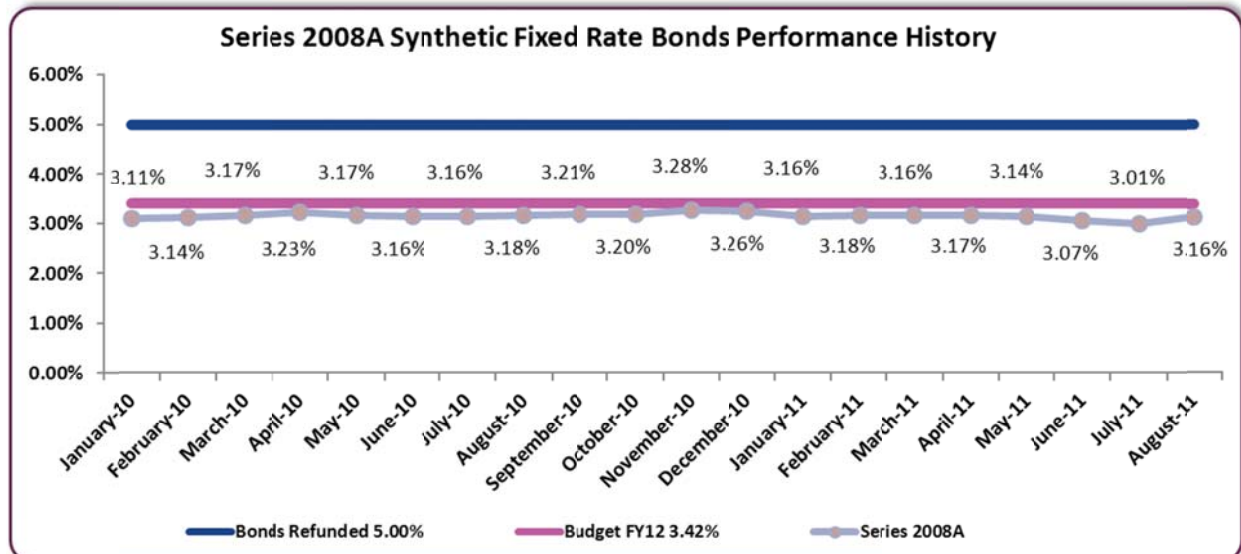
Board Meeting

September 21, 2011

Subject: Cash Commitment/Investment Report-Month Ended July 31, 2011

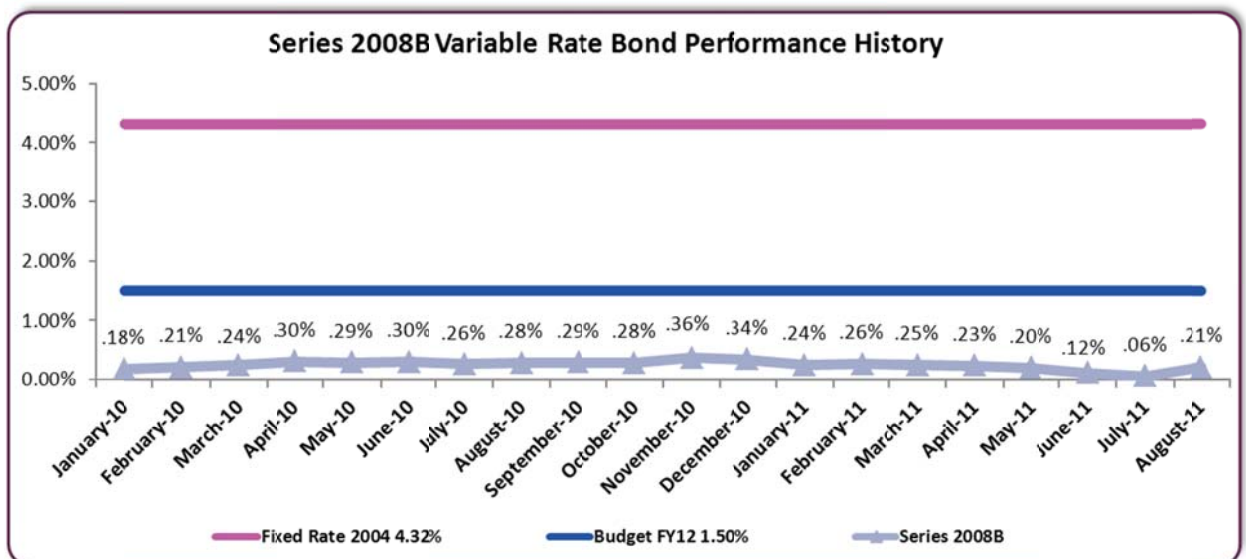
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METROPOLITAN SEWERAGE DISTRICT Variable Debt Service Report As of August 31, 2011



Series 2008A:

- Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$1,765,199 as compared to 4/1 fixed rate of 4.83%.
- Assuming that the rate on the Series 2008A Bonds continues at the current all-in rate of 4.0675%, MSD will achieve cash savings of \$3,503,702 over the life of the bonds.
- MSD would pay \$5,818,000 to terminate the existing Bank of America Swap Agreement.



Series 2008B:

- ▲ Savings to date on the 2008B Variable Rate Bonds is \$2,558,261 as compared to 5/1 fixed rate of 4.32%.
- ▲ Since May 1, 2008, the Series 2008B Bonds average variable rate has been 0.66%.
- ▲ MSD will achieve \$8,675,000 in cash savings over the life of the bonds at the current average variable rate.

STATUS REPORTS

CAPITAL IMPROVEMENT PROGRAM

STATUS REPORT SUMMARY

September 13, 2011

PROJECT	CONTRACTOR	AWARD DATE	NOTICE TO PROCEED	ESTIMATED COMPLETION DATE	*CONTRACT AMOUNT	*COMPLETION STATUS (WORK)	COMMENTS
DINGLE CREEK INTERCEPTOR @ CROWFIELDS, PHASE II	TBA	TBA	TBA	TBA	TBA	0%	Informal Bids were opened on September 8th. T & K Utilities is the apparent low bidder. Project will be presented at September Board meeting.
HEYWOOD ROAD INTERCEPTOR PHASE II	T & K Utilities	3/16/2011	4/20/2011	8/12/2011	\$247,095.00	98%	Informal Project is complete and in close out.
LAKE JULIAN INTERCEPTOR PHASE III	Ruby-Collins	10/20/2010	11/1/2010	11/1/2011	\$2,750,059.43	95%	Formal Mainline construction is complete; awaiting final inspection.
LAKE JULIAN INTERCEPTOR PHASE IV	Terry Brothers	7/20/2011	8/8/2011	12/6/2011	\$247,035.00	70%	Informal Project is progressing well; all 20-inch pipe is complete.
LAUREL LANE - BLACK MOUNTAIN ANNEXATION	T & K Utilities	3/1/2011	3/14/2011	8/5/2011	\$108,205.00	98%	Informal Project is complete and in close out.
OLD HOME RD. @ WEAVERVILLE HWY. (PRP64001)	Terry Brothers	2/16/2011	3/3/2011	8/30/2011	\$372,301.00	98%	Informal Project is complete and in close out.
PIPE RATING CONTRACT #6 (LINING)	TBA	TBA	TBA	TBA	TBA	0%	Formal Bid opening is scheduled for October 6, 2011.
ROCKDALE AVENUE (PRP 29003)	Buckeye Construction	11/17/2010	2/1/2011	8/12/2011	\$420,694.51	95%	Formal Contractor finishing up punch list items.
ROLLINGWOOD ROAD	Huntley Construction	8/17/2011	9/19/2011	1/17/2012	\$206,957.50	0%	Informal Preconstruction meeting is scheduled for September 13th.
TOWN BRANCH INTERCEPTOR PHASE II	Moore and Son	6/15/2011	7/18/2011	1/14/2012	\$538,328.30	15%	Formal Progress is slow because of rock. Contractor working on 30-inch line at Depot Street.
U.S. HWY. 70 @ PARKWAY	Terry Brothers	11/17/2010	1/17/2011	7/31/2011	\$636,244.00	98%	Formal Project is complete and in close out.
WELLINGTON DRIVE USR	Payne, McGinn & Cummins	3/16/2011	4/18/2011	7/31/2011	\$144,118.24	98%	Informal Project is complete and in close out.
WRF - FINAL MICROSCREEN REPLACEMENT	Hickory Construction	10/20/2010	1/3/2011	4/2/2012	\$8,937,108.20	35%	Formal Demolition @ 95%; new concrete placement @ 50%. Equipment delivery has begun and initial cleaning under way.

*Updated to reflect approved Change Orders and Time Extensions

Planning and Development Projects Status Report
September 21, 2011

Status	Project Name	Project Number	Work Location	Units	LF	Pre-Construction Conference Date	Comments
	Davidson Road Sewer Extension	2004154	Asheville	3	109	12/15/2004	Complete-Waiting on final documents
	Riverbend Urban Village	2004206	Asheville	260	1250	8/29/2006	Complete-Waiting on final documents
	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
	MWB Sewer Extension	2008046	Asheville	Comm.	285	5/12/2008	Complete - Waiting on final documents
	The Cottages on Liberty Green	2007297	Asheville	7	124	5/30/2008	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
	Oak Crest Place	2004056	West Asheville	27	791	12/3/2004	Complete - Waiting on final documents
	Buncombe County Animal Shelter	2007216	Asheville	Comm.	78	5/1/2008	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
	Black Mtn Annex: Blue Ridge Rd.	1992171	Black Mtn.	24	2,560	8/19/2010	Complete, waiting final documents
	AVL Technologies	2010018	Woodfin	Comm.	133	5/21/2010	Complete-Waiting on final documents
	Woodbriar Subdivision	2009004	Weaverville	72	3,888	8/2/2010	Complete-Waiting on final documents
	Ridgefield Business Park	2004188	Asheville	18	758	2/16/2005	Complete-Waiting on final documents
Subtotal				583	15,418		

Planning and Development Projects Status Report
September 21, 2011

Status	Project Name	Project Number	Work Location	Units	LF	Pre-Construction Conference Date	Comments	
	Brookgreen at Crest Mtn. - Phase II	2011019	Woodfin	29	1,567	3/28/2011	Complete - waiting final documents	
	The Settings (6 Acre Outparcel)	2004192	Black Mountain	21	623	3/15/2006	Ready for final inspection	
	Falcon Ridge	2004240	Asheville	38	3,279	10/11/2006	Punchlist pending	
	Waightstill Mountain PH-8	2006277	Arden	66	3,387	7/26/2007	testing / in foreclosure	
	Emergency Services Training Center	2009027	Woodfin	Comm.	2,512	2/7/2011	Testing	
	Brookside Road Relocation	2008189	Black Mtn	n/A	346	1/14/2009	Pre-con held, ready for construction	
	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	Ready for final inspection	
	Versant Phase I	2007008	Woodfin	64	12,837	2/14/2007	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	
	Thom's Estate	2006309	Asheville	40	3,422	1/24/2008	Ready for final inspection	
	Thom's Estate - Phase II	2008071	Asheville	40	3,701	2/9/2011	Testing	
	Berrington Village Apartments	2008164	Asheville	308	4,690	5/5/2009	Testing	
	Cottonwood Townhomes	2009110	Black Mtn.	8	580	10/20/2009	Testing	
	Mission Hospitals (Victoria Road)	2009022	Asheville	Comm.	532	2/12/2010	Punchlist pending	
	Camp Dorothy Walls - Ph. 2	2007294	Black Mtn.	Comm.	593	6/16/2009	Pre-con held, ready for construction	
	South Buncombe Intermediate Sch.	2009065	Arden	Comm.	1,656	6/7/2010	Ready for final inspection	
	Black Mtn Annex: Avena Rd.	1999026	Black Mtn.	24	4,300	8/19/2010	Punchlist pending	
	Kenilworth Healthy Built	2011030	Asheville	5	252	8/23/2011	Installing	
	Larchmont Apartments	2011014	Asheville	60	26	6/23/2011	Installing	
	Richlyn Tract	2010009	Asheville	6	586	6/28/2011	Testing	
	Black Mtn Annex: McCoy Cove	1992174	Black Mtn.	24	2,067	8/19/2010	Punchlist pending	
				Subtotal	1861	92,523		
				Total Units:	2,444			
				Total LF:		107,941		