

BOARD OF THE METROPOLITAN SEWERAGE DISTRICT

September 21, 2016

1. Call to Order and Roll Call:

The regular monthly meeting of the Metropolitan Sewerage District Board was held in the Boardroom of MSD's Administration building at 2pm Wednesday, September 21, 2016. Chairman VeHaun presided with the following members present: Ashley, Belcher, Bryson, Creighton, Frost, Kelly, Manheimer, Pelly, Root and Wisler.

Others present were: Thomas E. Hartye, PE, General Manager; William Clarke, General Counsel; Ed Bradford, Scott Powell, Hunter Carson, Matthew Walter, Jim Hemphill, Peter Weed, Mike Stamey, Ken Stines and Pam Nolan, MSD.

2. Inquiry as to Conflict of Interest:

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

3. Approval of Minutes of the August 17, 2016 Board Meeting:

Mr. Vahaun asked if there were any changes to the Minutes of the August 17, 2016 Board Meeting. Ms. Frost moved for approval of the minutes as presented. Mr. Pelly seconded the motion. Voice vote in favor of the motion was unanimous.

4. Discussion and Adjustment of Agenda:

None

5. Informal Discussion and Public Comment:

There was no discussion or public comment.

6. Report of General Manager:

Mr. Hartye thanked Lisa Tolley and Julie Willingham for handling the carpet and chair replacement in the Boardroom. He reported on a letter from the NC Department of Labor with an attached Certificate of Safety Achievement to the District. Congratulations to all employees at the District and to Dan Waugh and Sandra Moore for heading up our effort.

Mr. Hartye reported the following Department Accomplishments for Fiscal Year 2016:

The Engineering Division administered a Capital Improvement Program budget of \$21.8 Million with in-house personnel; continued implementation of a new web-based paperless permitting system for Planning & Development; actively managed 128 projects/line items within the capital program; rehabilitated 42,675 linear feet of collection system

Minutes

September 21, 2016

Page Two

lines using a combination of in-house forces and contracted work; completed the design of the Plant Headworks project, which will be going out soon for construction; and completed construction of the Incinerator System Emissions Upgrades Project. Planning and Development had \$6,357,554.00 Million in allocation, facility and tap fees and 43,616 linear feet of line transferred to the District.

The System Services Division achieved an average response time of 31 minutes to customer service requests during regular working hours; an average response time of 37 minutes to customer service requests for after hours; and cleaned just short of 700,000 linear feet of mainline with in-house preventative maintenance crews.

The Construction Division crews accomplished 20,084 linear feet of pipeline rehabilitation through dig and replace and trenchless construction methods; utilized trenchless methods of boring, pipe reaming and infrastructure repair to save just under 4,000 linear feet of asphalt pavement; and responded to 519 emergency and scheduled construction repairs resulting in 10,169 linear feet of pipeline repairs. There were numerous emergency creek crossing and stream bank restoration projects this year related to heavy storms.

The Information Technology Division completed a new Permits Licensing and Land (PPL) module on Cityworks for Engineering that allows MSD customers to request service on-line through a new public portal; implemented the Freeance Mobile for CityWorks on iPads for offsite field operations; produced a GIS layer capturing changes in parcel ownership and boundaries for assistance in tracking right-of-way transfers; performed some training and supervision of Cane Creek Water and Sewer District staff to update their sewer GIS layer; and developed a clickable GIS data layer of scanned as-builts from which a user can quickly view as-built plans and see past projects.

The Finance Division received a credit upgrade from Moody's Investor Service from Aa2 to Aa1 and received the GFOA "Excellence in Financial Reporting" and "Distinguished Budget" awards.

The Wastewater Treatment Plant received the "Gold Peak Performance Award" for the fifteenth consecutive year acknowledging Treatment Plant compliance; using new technology with the incinerator project, MSD became the first in North Carolina to demonstrate compliance with all new permitting limits while saving customers over \$5 million from conventional methods; and replaced an additional ten failed RBC's, which are our main treatment units at the plant, 30 units have now been replaced, saving about \$2.8 million over replacing with new units which are direct drive units as opposed to air drive units. Mr. Hartye stated that locating and using the salvaged units saved the District a lot of money and he appreciates Peter Weed's efforts in that. The Field Operations Section of the Wastewater

Treatment Plant inspected 19 significant industrial users; inspected over 900 food service establishments for compliance with the District's grease program; and upgraded Weaverville #1 Pump Station with a third stand-by pump.

Human Resources change of Pharmacy Benefit Manager to CIGNA achieved approximately 15% savings; they continued on-site Mission Hospital staff treating chronic conditions using the Asheville Project model; and provided educational and financial trainings for employees including Social Security options, 401k/457, Medicare, etc. Environmental Health & Safety rewrote the Employee Safety Manual; continued ISO certification program; completed the next phase of Arc Flash study and marked equipment per National Fire Protection Association.

Mr. Hartye stated these were just a few of the highlights of the many accomplishments that he wanted to make the Board aware of. With no questions, Mr. Hartye continued with his regular report.

Mr. Hartye reported that Nancy Hines of Robinhood Road (who represents the property owners along the Asheville Country Club golf course) sent several e-mails expressing her appreciation for both Randy Norton and Shaun Armistead for their work on the project. Al Chubb of Crest Mountain Drive called to let us know how much he appreciated the crew that relocated his tap, he stated "they were polite, very professional, and worked hard. They took about 10 minutes for lunch and got right back at it – what fine employees MSD has." Thanks to McKinley Hensley, Eric Bryant, Carl Ellington, Josh Matthews and Brandon Flynn.

Mr. Hartye reported the next regular Board Meeting will be held on October 19th at 2 pm. The September Right of Way Committee meeting is cancelled. The next Right of Way Committee meeting will be held on October 26th at 9am. The District's annual United Way Golf Tournament is Thursday, September 29, 2016 at 9 am at the Grove Park Inn golf course, if anyone is interested please see Owen Herbert.

7. Report of Committees:

Right of Way Committee:

Mr. Kelly reported the Right of Way Committee met August 24, 2016 to consider Compensation Budgets for Meadowbrook Drive GSR and Mountain View Road GSR projects and Condemnations on the Asheville Country Club GSR project, which are included in the Consolidated Motion Agenda.

8. Consolidated Motion Agenda:

a. Consideration of Developer Constructed Sewer Systems: Biltmore Lake Block 1; Bojangles @ Smokey Park; 200 Technology Drive; Audubon Phase 2; Evolve Mountain View; Hawthorne Turtle Creek Reems Creek Master Plan Interceptor Phase II:

Mr. Hartye reported that the Country Inn & Suites project is located at Westgate Shopping Center in the City of Asheville. This project included relocating approximately 60 linear feet of 8-inch public gravity sewer and relocating approximately 145 linear feet of 8-inch public gravity sewer to serve the new hotel and shopping center. Approximately 85 linear feet of 6-inch public sewer was abandoned.

Mr. Hartye reported that the Roberts Farm Phase 1A project is located off Byrd Road in the Town of Black Mountain. This project included extending approximately 775 linear feet of 8-inch public gravity sewer to serve fifteen single family homes and two multi-family units.

Mr. Hartye reported that the Telco Credit Union – Weaverville project is located at Northridge Commons in the Town of Weaverville. This project included extending approximately 116 linear feet of 8-inch public gravity sewer to serve the credit union.

Mr. Hartye reported that the Sonic – Weaverville project is also located at Northridge Commons in the Town of Weaverville. This project included extending approximately 120 linear feet of 8-inch public gravity sewer.

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

b. Consideration of Compensation Budgets - Meadowbrook Drive GSR and Mountain View Road GSR:

Mr. Hartye reported the Meadowbrook Drive GSR and Mountain View Road GSR compensation budgets are attached and the Right of Way Committee recommends approval of these budgets.

c. Consideration of Condemnations – Asheville Country Club GSR:

Mr. Hartye reported that on the Asheville Country Club project there were two parcels under consideration for condemnations. He stated there was a lot of discussion regarding tree removal and buffers. The Right of Way Committee voted to accept Staff's recommendation to obtain appraisals and proceed with condemnations.

d. Influent Pump Station at Plant – Approval of Sole Source Procurement for New Influent Pump:

Mr. Hartye reported on the Influent Pump Replacement at the Water Reclamation Facility. He stated that the plant has three large 400 hp pumps that lift all wastewater received at the plant up to the Grit and Grease Facility. These pumps have functioned well over time (they were first installed in 1986), internal parts have been replaced several times and pump casings have been repaired. Due to the age and wear of the pump casings the District began replacing these pumps in 2012 on a staggered schedule, for both operational security and financially as well. Given the unique nature of these pumps, a primary concern is that each pump must be standardized – with identical performance and fit within the existing footprint. These pumps are still manufactured, with the new pump being basically a “drop-in” replacement for the existing unit. The cost for one pump with factory testing is \$145,389.68, and the FY16-17 budget for this project is \$150,000.00. Staff recommends the District sole-source procure a Morris Pump Model MF 30x30-27 in the amount of \$145,389.68. Staff recommends this sole-source due to the fact that standardization, performance, and compatibility with the existing attachments, piping and control system is a primary overriding concern.

e. Cash Commitment/Investment Report Month ended July, 2016:

Mr. Powell reported that Page 44 presents the makeup of the District’s Investment Portfolio. There has been approximately \$7 Million decrease from the previous month due to the District meeting our July 1 debt service obligation. Page 45 presents the MSD investment managers report for the month of August. The weighted average maturity of the investment portfolio is 218 days. The yield to maturity is .69% and exceeds our bench mark of 6 month T-Bill and North Carolina Capital Management Trust cash portfolio. Page 46 presents an analysis of the District’s cash receipts. Monthly domestic sewer revenue is considered reasonable based on historic trends. Monthly and YTD Industrial Sewer Revenue as well as Facility and Tap Fees are considered reasonable based on historical trends. Page 47 is an analysis of the District’s Expenditures. Monthly and YTD expenditures are considered reasonable based on historical trends. Page 48 presents the MSD Variable Debt Service report. Both the 2008A Series bonds are performing better than budgeted expectations. As of the end of August both issues have saved the District rate payers approximately \$4.6 million in debt service since April, 2008. There were no questions pertaining to this item.

With no further discussion, Mr. VeHaun called for a motion to approve the Consolidated Motion Agenda. Mr. Belcher moved. Ms. Wisler seconded the motion. Roll call vote was as follows: 11 Ayes; 0 Nays.

9. Old Business:

Mr. Clarke reported that mediation was held on Friday, September 16, 2016 in the matter of MSD v. Tom and Nellene Finger. The case involved condemnation to replace the existing sewer in a new location on a lot at the corner of Clingman Avenue and Clingman Avenue Extension. He presented maps showing the parcel location, the existing easement area and the new easement area. He stated that, based on sales in the last few years, property values in the area and on Clingman Avenue Extension are extremely high. The property owner started at \$52,000. MSD had deposited just over \$6,000. During mediation, MSD increased its offer to \$25,000. The owner came down to \$30,000. Mr. Clarke recommended settling for \$30,000. There being no questions, Mr. Vahaun called for a Motion to approve the settlement in the amount of \$30,000. Ms. Wisler made the Motion. Mr. Kelly seconded the Motion. Roll Call vote was as follows: 11 ayes, 0 nays.

10. New Business:

Ms. Manheimer asked if MSD is affected by the Supreme Court decision regarding impact fees. Mr. Clarke and Mr. Hartye both indicated it does not affect MSD in the same manner as municipalities.

11. Adjournment:

With no further business, Mr. VeHaun called for adjournment at 2:23 pm.

Jackie W. Bryson, Secretary/Treasurer

MSD

Regular Board Meeting

Metropolitan Sewerage District
of Buncombe County, NC

AGENDA FOR 9/21/16

✓	Agenda Item	Presenter	Time	
	Call to Order and Roll Call	VeHaun	2:00	
	01. Inquiry as to Conflict of Interest	VeHaun	2:05	
	02. Approval of Minutes of the August 17, 2016 Board Meeting	VeHaun	2:10	
	03. Discussion and Adjustment of Agenda.	VeHaun	2:15	
	04. Informal Discussion and Public Comment	VeHaun	2:20	
	05. Report of General Manager	Hartye	2:25	
	06. Report of Committees	VeHaun	2:35	
	a. Right of Way Committee - August 24, 2016	Kelly		
	06. Consolidated Motion Agenda		2:40	
	a. Consideration of Developer Constructed Sewer Systems: Country Inn & Suites; Roberts Farm Phase 1A; Telco-Weaverville; Sonic-Weaverville	Hartye		
	b. Consideration of Compensation Budgets - Meadowbrook Drive GSR; Mountain View Road GSR	Hartye		
	c. Consideration of Condemnations - Asheville Country Club GSR	Hartye		
	d. Influent Pump Station at Plant - Approval of Sole Source Procurement for New Influent Pump	Hartye		
	e. Cash Commitment/Investment Report Month Ended July, 2016.	Powell		
	07. Old Business:	VeHaun	3:00	
	08. New Business:	VeHaun	3:15	
	09. Adjournment: (Next Meeting 10/19/16)	VeHaun	3:25	
	STATUS REPORTS			

BOARD OF THE METROPOLITAN SEWERAGE DISTRICT

August 17, 2016

1. Call to Order and Roll Call:

The regular monthly meeting of the Metropolitan Sewerage District Board was held in the Boardroom of MSD's Administration building at 2pm Wednesday, August 17, 2016. Chairman VeHaun presided with the following members present: Ashley, Belcher, Bryson, Collins, Creighton, Frost, Kelly, Pelly, Root and Wisler.

Others present were: Thomas E. Hartye, PE, General Manager; William Clarke, General Counsel; Forrest Westall with McGill Associates; Dave Collins, CDM; Jade Dundas, City of Asheville Water Resources; Joseph Martin with Woodfin Sanitary Water & Sewer District; Scott Powell, Ed Bradford, Hunter Carson, Matthew Walter, Pam Thomas, Peter Weed, Mike Stamey, Ken Stines and Pam Nolan, MSD.

2. Inquiry as to Conflict of Interest:

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

3. Approval of Minutes of the July 20, 2016 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the July 20, 2016 Board Meeting. Ms. Wisler moved for approval of the minutes as presented. Mr. Pelly seconded the motion. Voice vote in favor of the motion was unanimous.

4. Discussion and Adjustment of Agenda:

None

5. Informal Discussion and Public Comment:

Mr. VeHaun welcomed Joseph Martin from Woodfin Sanitary Water & Sewer District, Dave Collins with CDM and Jade Dundas from City of Asheville Water Resources. There was no discussion or public comment.

6. Report of General Manager:

Mr. Hartye stated that attached to the General Managers Report is the FY 17 Budget/Rate Synopsis. This is a Board level synopsis with bulleted items and graphs for your use to answer questions you may be asked about rates and budget items. The main bullet point of the \$47,009,663.00 budget is that 64 % is construction related between CIP and Debt Service associated with CIP. Mr. Hartye stated that this condenses a lot of material down to a page or two.

Mr. Hartye reported that Martha Weaver of Deanwood Circle called expressing appreciation for Mike Rice coming out promptly the previous night. He was very prompt and answered all of the questions she had.

Minutes

August 17, 2016

Page Two

Mr. Hartye reported that Jade Dundas of the City of Asheville was present to speak to the Board regarding the City's rates and billing cycle. The City typically raises rates starting July 1 but they are on a two month billing cycle. They have had some customer requests along the lines of making adjustments to the billing so that it reflects the rate change and usage starting after July 1 for the May and June usage. As a result of that the City is going to have a grace period on billing from September 1 to November 1 to adjust it to the FY 16 rate just for that 60 day period to make up for the lag in billing time. The District has been asked if it is willing to follow suit to do the same. Staff has looked at this, the impact is minimal and it would probably be in the District's best interest to follow suit. MSD typically leaves the billing end of things to the policy of our member agencies. Not all agencies have the exact same policies. For this case we think it would be best to follow suit with the City of Asheville. Mr. Hartye stated that he wanted to get a head nod from the Board or see if the Board would rather take this on in a different way. Mr. Vahaun asked if there were any comments from the Board. Mr. Pelly asked if the rate increase that started July 1 would have applied to the service of the previous two months but now, wait two months and have it apply to the service July 1. Mr. Hartye stated that as he understood it The City of Asheville hasn't resolved the issue permanently yet. Mr. Dundas spoke to me in regard to the City of Asheville looking at two things. Either change the ordinance to reflect what they are currently doing or adjust the rates two months later. That's what some of our other entities do, but a lot of the other entities bill monthly so it's only a one month lag before they start that new rate where this will be a two month lag, so you have a couple of options. The other option is to bill monthly which Mr. Dundas stated they are looking at once again. Mr. Dundas stated that the City is considering a change from a bi-monthly bill to a monthly bill. That was studied several years ago prior to having automated meter reading and at that point in time it was not cost effective. Automated meter reading has been in place for quite a few years now so they will look at that again and make a decision as to how to apply the rate adjustments next year but also whether or not they will go to a monthly bill in the process. Mr. Dundas stated that throughout that process MSD would be involved as well. He also stated that the City will be taking this rate adjustment to their Finance Committee next week for approval. Mr. VeHaun asked if there were any further questions or comments. There were none.

Mr. Hartye reported the next regular Board Meeting will be held on September 21st at 2 pm. The next Right of Way Committee meeting will be held on August 24th at 9am. The employee picnic will be held on September 15th behind the maintenance building.

Mr. VeHaun shared an e-mail he received this morning. Leigh Reed of 19 Red Maple Drive and Board Member of the Little Flat Creek Homeowner's Association stated that for the past several months he has had the opportunity to work with Kevin Johnson regarding a sewer issue in their development. He would like to commend Kevin for his cooperative attitude, job skills and very efficient and quick response to the various issues they

encountered. Mr. Reed stated that in his pre-retirement work there were many encounters with government agencies and employees, and most were painful and unpleasant and that working with Kevin was enjoyable.

7. Consolidated Motion Agenda:

a. Consideration of Bids – Point Repair Contract 1:

Mr. Hartye reported that these point repairs are for non-emergency problems on lines and manholes which do not require a full-scale rehabilitation project. The contract was informally advertised and three bids were received on July 21, 2016 as follows: NHM Constructors, LLC in the amount of \$327,678.00; Terry Brothers Construction Co. in the amount of \$222,050.00; and Patton Construction Group in the amount of \$164,710.00. The FY 16-17 Construction Budget for this project is \$200,000.00. Patton Construction Group is the apparent low bidder. They have completed both rehabilitation projects and sewer line extensions under MSD inspection and their work quality has been excellent on those projects. Staff recommends award of this contract to Patton Construction Group in the amount of \$164,710.00, subject to review and approval by District Counsel.

b. Consideration of Bids – Arco Road and New Haw Creek Road @ Trinity Chapel Road Sewer Rehabilitation Projects:

Mr. Hartye reported that these two projects are located in Haw Creek east of Asheville and consist of replacing approximately 2,855 LF of 8-inch through 24-inch DIP. The larger diameter pipe is for the interceptor along Haw Creek. A single contract for both projects was advertised and five bids were received on July 28, 2016 as follows: Huntley Construction Co. in the amount of \$889,707.00; Davis Grading, Inc. in the amount of \$801,842.00; Buckeye Construction Co. in the amount of \$796,541.00; Thomas Construction Co. in the amount of \$783,565.50; and Terry Brothers Construction Co. in the amount of \$599,609.00. The FY 16-17 Construction Budgets for these two projects total \$801,000.00. Terry Brothers Construction Co. is the apparent low bidder. They have completed numerous MSD sewer rehabilitation projects and their work quality continues to be excellent. Staff recommends award of this contract to Terry Brothers Construction Co. in the amount of \$599,609.00, subject to review and approval by District Counsel.

c. Consideration of Developer Constructed Sewer Systems: Biltmore Lake Block 1; Bojangles @ Smokey Park; 200 Technology Drive; Audubon Phase 2; Evolve Mountain View; Hawthorne Turtle Creek Reems Creek Master Plan Interceptor Phase II:

Mr. Hartye reported that the Biltmore Lake Block 1, Phase 1 project is located off Reeves Cove in Buncombe County. This project included extending approximately 3,361 linear feet of 8-inch public gravity sewer to serve the 108 unit residential development.

Mr. Hartye reported that the Bojangles' & Arby's project is located off Smokey Park Highway in the City of Asheville. This project included extending approximately 256 linear feet of 8-inch public gravity sewer to serve the commercial development.

Mr. Hartye reported that the 200 Technology Drive project is located off Schenck Parkway in Buncombe County. This project included extending approximately 812 linear feet of 8-inch public gravity sewer to serve the commercial development.

Mr. Hartye reported that the Audubon Phase 2 project is located off Rockwood Road in Buncombe County. This project included extending approximately 1,653 linear feet of 8-inch public gravity sewer to serve the 86 unit apartment complex.

Mr. Hartye reported the Evolve Mountain View project is located off of Hendersonville Road in the City of Asheville. This project included extending approximately 1,337 linear feet of 8-inch public gravity sewer to serve the 148 unit apartment complex.

Mr. Hartye reported the Hawthorne Turtle Creek Extension project is located off of Hendersonville Road in the City of Asheville. This project included extending approximately 400 linear feet of 8-inch public gravity sewer to serve the 250 unit apartment complex.

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

Mr. Hartye reported the final item is acceptance and cost reimbursement for Reems Creek Master Plan Interceptor Phase II. This project is located in Buncombe County along Reems Creek, beginning at Pleasant Grove Road and extending to the new Maple Trace residential development. The reason the District participated in this project financially is that it is a Collection System Master Plan Interceptor. MSD designed, permitted and obtained rights of way for the extension and the Developer installed approximately 734 linear feet of 16-inch gravity sewer. The Developer only needed 8-inch line for its development, but MSD required the larger line because it will be serving the whole basin. Therefore, MSD pays the differential cost between the 8-inch and 16-inch sewer. Construction of this extension was funded by the developer, Windsor Built Homes, Inc., for \$249,268.00. The on-site system within the development will be submitted for ownership upon completion. Staff originally came to the Board for authority to participate in this project. Once construction began, a significant amount

of rock was encountered which also increased cost per the MSD design. Windsor paid its contractor a total of \$114,268.00 for rock removal and is asking MSD to participate in some of this additional cost. MSD staff reviewed the rock quantities and the additional quantities required for the installation over and above what they would have had to remove for their own development. This additional rock quantity amounts to about 127 cubic yards at \$98.00 per cubic yard so the additional construction cost for rock is \$12,446.00. The Board initially approved a reimbursement amount of \$22,900.00. Staff recommends acceptance of this developer constructed sewer system and authorization of the General Manager to disperse \$35,346.00 to Windsor Build Homes Inc. for cost reimbursement for this project. Mr. VeHaun asked if there were any questions or comments. Mr. Bradford also pointed out that the line had been installed deeper and under the creek as well so both sides of Reems Creek will be served with no aerial crossings. There were no further questions or comments.

d. Consideration of Engineering Design Contract: Plant High Rate Primary Treatment Project:

Mr. Hartye reported that the District is in the process of finishing design for the beginning of the Headworks Projects which is part of the 20 year Facility Plan Update. The first project is to construct screening, grit and surge facilities. The design is complete, has been approved through permitting and will be going out for bid in the next month or so. Then this will be brought back to the Board for construction approval, which will last 1½ -2 years. This will involve constructing screens and the existing digester tanks will be repurposed for storm surge tanks. Phase II design will begin so that when Phase I is finished we can continue on with Phase II which is the High Rate Primary Treatment. The hope is to place it inside the existing microscreen building which has a process in it that is defunct at this point. This is a new technology. Several technologies were pilot tested and the top two are basically mixing and settling tanks in which you add a coagulant, a polymer and a ballast, either sand (ActiFlow) or magnetite (CoMag). Those ballasts help pull the solids out very quickly so that in a small space you can accomplish a lot of settling. Typically down east if you drive by Durham's plant off of I-40 they have major settling tanks that are huge. Those don't have that ballast and they rely only on gravity and are much bigger tanks. Due to the location of our facility we don't have a lot of space to put up these huge tanks. The next phase will be looking at long term options for the RBCs which we have been replacing over the last several years. In accordance with the statutes, we advertised a Request for Qualifications for an engineer to design these facilities and received responses from Black & Veatch, CDM Smith, and HDR. After careful review and consideration of each firm's capabilities, experience and staffing, the selection committee (consisting of staff and our Engineer of Record) selected CDM Smith as the most qualified engineering consultant to complete the design. CDM Smith has designed and

installed many high rate clarification systems across the United States, and are the only one of the three who have done many successful ones. They have the expertise necessary to design and permit the first wastewater high rate primary treatment system in North Carolina. CDM Smith has worked successfully on many projects with the District and has extensive knowledge of the MSD treatment facility. CDM most recently completed the successful Incinerator System Emissions Upgrades Project. After receiving an initial proposal for CDM Smith's engineering design fee, District staff negotiated a reduced fee in the amount of \$998,900.00. Additional documentation is attached including the Scope of Services. The FY 16-17 design budget for this project is \$960,000.00. Sufficient funds are available in the CIP Contingency Fund for the overage. Staff recommends the District enter into an engineering design contract with CDM Smith in the amount of \$998,900.00 subject to final review and approval by District Counsel. Mr. Hartye stated that Dave Collins with CDM Smith was present to answer any questions. There were none.

e. Consideration of Reimbursement Resolutions for Bond Projects:

Mr. Powell reported that at this time every year MSD adopts a reimbursement resolution is submitted to be in compliance with IRS regulations concerning tax-exempt financing of all expenditures made with non-MSD bond funds, to be reimbursed by MSD bond funds. Every year MSD takes money out of reserves to meet its CIP needs and sometime in the future MSD issues debt and that debt replenishes our unscripted funds so that we may continue on with the CIP process. This year the projects that would meet the qualifications of the reimbursement resolution are in the amount of \$11 million. The next projected debt issuance is in FY 19 in the amount of \$28 million. These projects would be reimbursed out of that \$28 million debt. A reimbursement resolution was one done last year in the amount of \$11 million and MSD does one every year so it can capture that and put all the money that we used in new monies back into our reserves to use for future CIP Projects. Mr. Powell stated that at this time he would entertain any questions regarding this matter. There were none.

f. Fourth Quarter Budget to Actual Review-FY2016

Mr. Powell reported the Domestic Revenue is above budgeted expectations. Staff believes Domestic User Fee variance will end up around 101% when June accounts receivable data is received from Member Agencies typically through the audit process in the first part of September. Industrial Revenue is trending better than budgeted due to increased revenue from one new industrial user, New Belgium. Facility and Tap Fees are above budgeted expectations due to the District receiving \$3.1 million from eight different developments as of the end of the year. MSD typically budgets impact fees very conservatively due to the soft nature and depending upon development in the region. Interest

and miscellaneous income are below budgeted expectations. As I have stated last year and the last few years, this is due to short-term interest rates still experiencing pressures due to Federal Reserve monetary policy. It looks like that will continue for at least the next 6 months. O&M expenditures are at 94.87% of budget. This amount may vary slightly from audited numbers due to final accruals. The reason the number is typically lower than what we have budgeted really depends on cost difference of utilities that happen at the plant. This year that amount should be about \$500,000.00. Bond principal and interest are better than budgeted expectations due to the interest rate swap associated with Series 2008A revenue refunding bonds. The capital project expenditures are at approximately 98.65% of budget. CIP projects are continuing to receive favorable pricing. There were no questions pertaining to this item.

g. Cash Commitment/Investment Report Month ended June, 2016:

Mr. Powell reported that Page 60 presents the makeup of the District's Investment Portfolio and there has not been a significant change from the prior month. Page 61 presents the MSD investment managers report for the month of June. The weighted average maturity of the investment portfolio is 232 days. The yield to maturity is .68% or 68 basis points and exceeds our bench mark of 6 month T-Bill and North Carolina Capital Management Trust cash portfolio. Page 64 presents the MSD Variable Debt Service report for the month of July. The 2008A Series bonds are performing better than budgeted expectations. As of the end of July the issues have saved the District rate payers approximately \$4.6 million in debt service since April, 2008. There were no questions pertaining to this item.

With no further discussion, Mr. VeHaun called for a motion to approve the Consolidated Motion Agenda. Ms. Wisler moved. Mr. Creighton seconded the motion. Roll call vote was as follows: 11 Ayes; 0 Nays.

8. Old Business:

None

9. New Business:

None

10. Adjournment:

With no further business, Mr. VeHaun called for adjournment at 2:29 pm.

Jackie W. Bryson, Secretary/Treasurer



MEMORANDUM

TO: MSD Board
FROM: Thomas E. Hartye, P.E., General Manager
DATE: September 15, 2016
SUBJECT: Report from the General Manager

- Fiscal Year 2016 Accomplishments

Attached is a copy of the MSD Departmental Accomplishments for Fiscal Year 2016. I will go over a few Highlights at the meeting.

- NCDOL Safety Award

Attached is a letter from the NC Dept. of Labor transmitting a Certificate of Safety Achievement to MSD. Congratulations to all employees at MSD and to Dan Waugh and Sandra Moore for heading up our effort.

- Kudos

- Received emails from Nancy Hines of Robinhood Rd. Expressing appreciation for Randy Norton from his listening to her concerns to his timely action in cutting down a dying tree of concern. Also for Shaun Armistead for his officiousness as project manager in communicating with the residents that abut the Asheville CC golf course.
- Received a call from Al Chubb of Crest Mountain Dr. who wanted to let us know how much he appreciated the crew that relocated his tap. “they were polite, very professional, and worked hard. They took about 10 minutes for lunch and got right back at it – what fine employees MSD has.” Thanks to McKinley Hensley, Eric Bryant, Carl Ellington, Josh Matthews, and Brandon Flynn.

- Board/Committee Meetings/Events

The next Regular Board Meeting will be held on October 19th at 2 pm. The September ROW Committee is cancelled. The next Right of Way Committee meeting will be held at 9 am on October 26th.



CHERIE BERRY
COMMISSIONER OF LABOR

August 3, 2016

Sandra Moore
Metropolitan Sewerage District
2028 Riverside Drive
Asheville, NC 28804

Dear Sandra:

Thank you for your participation in the N.C. Department of Labor Safety Awards Program. I regret that you were unable to join us at the safety awards banquet in your area, but I hope to see you next year. Enclosed you will find your company's award, which you can proudly display in the workplace as a symbol of your commitment to worker safety and health.

The goal of the Safety Awards Program is to recognize companies that go the extra mile to promote safety and health in the workplace. The program began in 1946, and more than 3,000 places of business met the program criteria in 2014. I believe this level of participation shows that companies are excited about safety, and we appreciate this enthusiasm.

North Carolina's safety record has continued to improve in recent years. In fact, our state's injury and illness rate is at an all-time low, and fatalities are declining. These achievements are due in part to your company and others that participate in our Safety Awards Program.

Thank you for making safety and health a priority in the workplace. I hope you will be able to join us at a banquet next year. If you have any suggestions or questions about the Safety Awards Program, please contact Eursula Joyner, safety awards coordinator, at (919) 807-2908 or Eursula.Joyner@nclabor.com.

Sincerely,

A handwritten signature in cursive script that reads 'Cherie Berry'.

Cherie Berry
Labor Commissioner



Certificate of Safety Achievement

Second Consecutive Year Silver

In recognition of the outstanding safety and health efforts of

**METROPOLITAN SEWERAGE DISTRICT
ENGINEERING, ADMINISTRATION & WATER RECLAMATION
FACILITY AND SYSTEM SERVICES**

that resulted in a substantial reduction of injuries and illnesses
and the promotion of safer working conditions in 2015.

Cherie Berry
Commissioner of Labor



Metropolitan Sewerage District of Buncombe County

Accomplishments for Fiscal Year 2016

Engineering Division

- Administered a Capital Improvement Program budget of \$21.8 Million with in-house personnel.
- Continued implementation of a new web-based paperless permitting system for Planning & Development. This will provide for better efficiency and customer service.
- Actively managed 128 projects/line items within the capital program. These projects range from preliminary design, to active construction, to recently completed.
- 42,675 Linear Feet (LF) of collection system lines were rehabilitated during FY16, using a combination of in-house forces and contracted work.
- Completed the design of the Plant Headworks project. This \$11.5 million project is the first one recommended by the new Facilities Plan for the plant, with construction to begin in FY16-17. Design of the second Facilities Plan project will begin in FY16-17.
- Completed construction of the Incinerator System Emissions Upgrades Project. This \$7.5 million project was primarily driven by an EPA mandate with an aggressive schedule.
- Continued the multi-year rehabilitation of the plant's Influent Pump Station. Two of the three main influent pumps have now been replaced; replacement of the adjustable frequency drives is complete (they were also relocated to an improved, protected location). The third and final pump will be replaced in FY16-17.
- Acquired formal recorded easements across 91 properties. Negotiated settlements on one condemnation action, saving further expenses of trial.
- Coordinated reviews with the City of Asheville for the River Arts District Transportation Improvement Project (RADTIP).
- Designed, drafted, and administered formal contracts for 7 capital projects and designed 14 in-house projects for System Services Construction.
- Actively pursued project coordination with local municipalities. Ongoing coordination is accomplished by participation in the local Utilities Coordinating Committee, the CIP Budget being sent to local municipalities, sending internal (System Services) projects directly to COA Water staff, and serving on the City's Technical Review Committee (TRC).

Planning and Development Statistics

	<u>FY14</u>	<u>FY15</u>	<u>FY16</u>
Sewer Service Applications Approved	1,594	1,382	1,377
Allocation, Facility and Tap Fees	\$4,485,375	\$4,334,589	\$6,357,554
Affordable Housing Rebates	\$54,900	\$36,600	\$31,200
Plans Reviewed	69	62	69
Permits Issued	48	39	43
Systems Transferred	19	26	26
Systems Transferred - Value	\$1,030,507	\$3,361,616	\$2,415,453
Systems Transferred - Linear Feet	12,717	28,442	43,616
TRC Projects	43	62	63
Minor Subdivision Plats Approved	186	179	210

System Services Maintenance Division

- Achieved an average response time of 31 minutes to customer service requests during regular working hours.
- Achieved an average response time of 37 minutes to customer service requests after hours.
- Responded to 1,371 customer service calls during regular working hours.
- Responded to 706 customer service calls after hours and holidays.
- Cleaned 695,825 LF of mainline with in-house crews.
- Mechanically removed roots from 97,481 LF of pipeline.
- Completed CCTV inspection of 332,088 LF of pipeline.
- Smoke Tested 80,993 LF of pipeline and identified several areas of inflow and infiltration.
- Inspected 173,274 LF of sewer lines with the Sewer Line Rapid Assessment Tool (SL-RAT).
- Cleared 16,333 LF of right-of-way
- Educational materials distributed to all First Responder customer service requests.
- Demonstrated and provided educational materials at numerous trade show events.
- Conducted an in-house continuing education class that included 13 District employees for wastewater certification renewal. This allowed for significant cost savings to the District by not having employees travel to an outside organization with expensive registration fees.

Construction Division

- The In-House Construction group rehabilitated a total of 20,084 LF of pipeline through dig and replace and trenchless construction methods. Individual totals for the various rehabilitation methods are as follows:
 - Rehabilitation of 6,740 LF of pipeline through conventional dig and replace construction.
 - Rehabilitation of 1,241 LF of pipeline through IRS repairs.
 - Rehabilitation of 8,335 LF of pipeline through pipe bursting/boring.
 - Rehabilitation of 3,769 LF of pipeline through construction rehab point repairs.
- Utilized the trenchless methods of boring, pipe reaming, and infrastructure repair (IRS) to save approximately 3,831 linear feet of asphalt pavement. These efforts greatly reduced and/or eliminated expensive pavement and surface restoration costs in the subject areas.
- Completed 519 emergency and scheduled construction repairs. This resulted in 10,169 LF of pipeline repairs.
- Installed 234 service taps and completed 294 manhole repairs.
- Completed numerous “emergency” creek crossing and stream bank restoration projects related to heavy storms during the year. This includes complete replacement of an aerial creek crossing on the Biltmore Estate, making a major repair to an aerial crossing on Hominy Creek, installing 50+ loads of rip rap on the banks of Hominy Creek near our 27” sewer line, and taking protective measures for our sewer line along the creek channel in Charland Forest to name a few.
- Cleared 16,333 LF of Right of Way with in-house crews and 5,809 LF of Right of Way through CIP Contractor projects. The combined total is 22,142 LF.
- Coordinated 4 joint venture projects with other agencies to facilitate pavement restoration cost savings and/or other benefits for MSD and the other agencies involved.
- Continued paving restoration contract with the City of Asheville for FY 15-16.

Information Technology Division

- New Permits Licensing and Land (PLL) module on Cityworks for Engineering that allows MSD customers to request service online through the Public Portal.
- Dozens of custom reports on CityWorks and software customizations for MSD.
- Implemented Freeance Mobile for CityWorks on iPads for offsite Field Operations.
- Installed new Dell blade server to replace the Finance server and upgraded to the latest Navision software.
- Increased Wi-Fi coverage on MSD campus from the Plant to the Warehouse.
- Upgraded emissions monitoring PC and software for the Thermal Converter building.
- Configuration and installation of 11 new SCADA PCs/servers to monitor systems at the Plant.
- Rolled out over 10+ laptop replacements/installations, 30+ desktop replacements/installations for MSD users.

- All MSD users have been migrated from Windows XP to Windows 7 or 10.
- 10 new scanner/copiers installed MSD wide.
- Security gates/card readers installed at Fleet and Wash Bay.
- Temperature monitors installed in 3 IT server rooms with email alerts.
- Email status alerts to IT staff whenever there is downtime on any server, server rack, firewall, router, switch, or UPS.
- Achieved second year of zero percent unplanned GIS downtime.
- Produced a GIS layer capturing changes in parcel ownership and boundaries for assistance in tracking right-of-way transfers
- Improved GIS video layers, reducing the number of pipe video re-inspections
- Improved mobile navigation, reducing the amount of time to find assets in the field
- Improved security of MSD GIS websites
- Developed a GIS application and data layer to capture active projects being inspected, who is inspecting them, and show them on a common map
- Developed a prototype GIS application and data layer to track underground utilities and obstructions affecting sewer pipes
- Completed mobile and tablet application development and implementation. It is now a popular, stable product
- Completion of custom GIS websites for P&D and Finance
- Improved GIS desktop support and training for Engineering and System Services users
- Training and supervision of Cane Creek Water and Sewer District staff to update their sewer GIS layer
- Improvements to SL Rat inspection application, including improving the speed and accuracy of data entry and inspection query functions
- Successful transfer from FLEX to HTML-based GIS websites
- Production of Upstream Trace, Downstream Trace, and Flow Monitor custom widgets for HTML-based GIS website
- Produced and maintain a data layer depicting gated communities, deployed on AR for Truck
- Completed a first phase mapping of gravity mains and manholes in the Water Reclamation Facility
- Developed a clickable GIS data layer of scanned as-builts, from which a user can quickly view as-built plans and see past projects
- Tested and troubleshooting ArcGIS in the Windows 10 environment
- Begun the improvement of right-of-way easements mapping and tracking

Finance Division

- The District received a credit upgrade from Moody's Investor Service from Aa2 to Aa1
- Received the GFOA "Excellence in Financial Reporting" award for the Comprehensive Annual Financial Report (CAFR) for FY ending June 30, 2015.
- Received the GFOA "Distinguished Budget" award for the Budget Document prepared for FY ending June 30, 2016.
- Assisted Human Resources in ongoing changes in the District's self-insurance plan to achieve ongoing financial sustainability.

Wastewater Treatment and Maintenance

- Treatment Plant Operations received the National Association of Clean Water Agencies (NACWA) “Gold Peak Performance Award” for fifteenth consecutive year acknowledging Treatment Plant compliance.
- Full compliance with NPDES Permit for effluent discharges, WNC Permit for air quality monitoring and discharge, and Residual Management Program for handling of biosolids.
- Worked with CDM Smith, Haren Construction and IFCO sub-contractor to rehabilitate the fluidized bed incinerator and bring it up to compliance with new EPA MACT standards. Improvements included using new technology piloted by MSD in 2015 which proved successful. MSD became the first to demonstrate compliance with all new permitting limits while at the same time saving our customers over \$5 million from conventional methods.
- Worked with HDR engineering to develop a new headworks design for barscreen replacement, new fine screens and vortex grit removal system.
- Replaced an additional ten failed RBC’s with salvaged units (30 units have now been replaced) – units are performing well and cost savings over new replacements exceeds \$2.8 million.

- Field Operations Section:
 - Inspected all Significant Industrial Users (19 SIU’s) with monitoring of effluent discharges, and with announced and unannounced visits for permit compliance.
 - Inspected over 900 different food service establishments for compliance with the MSD Grease program and ordinance; and conducted over 250 repeat follow-up visits.
 - Upgraded incinerator systems for polymer make-up & delivery, SCADA master screens and supporting systems.
 - Upgraded Weaverville #1 pump station with third standby pump (diesel powered), bypass port for emergency pumping, and the relocation of H₂S odor control station to the site.

- Maintenance Section completed 490 work orders, some highlights below:
 - Assisted in the many upgrades made to Weaverville #1 Pump Station.
 - Performed numerous repairs to Incinerator leading up to total shutdown for rehabilitation and upgrades for new EPA mandatory air pollution control system permit limits.
 - Assisted in the replacement of ten RBC’s.
 - Maintained hydroelectric power plant producing over \$400,000 in energy savings.

- Facilities Maintenance Section completed 300 work orders some highlights below:
 - Roofing – installation of two new 50 Mil PVC membrane roofs for extended life.
 - Drained north Thickener, waster-blasted and restored metal surfaces with protective coatings for durability.
 - Hydroelectric Powerhouse – extensive rehab of interior surface coatings and protective resurfacing of exterior.
 - Painting – extensive preventative maintenance coatings program throughout District.

- Fleet Maintenance Section completed 800 work orders, maintaining a fleet with an estimated replacement value in excess of \$5 million. Other highlights include:

- The Biodiesel program began in July 2003. By end of June 2015, MSD purchased over 930,000 gallons of B20 & B10 cutting 186,000 gallons of fossil fuel usage.
- The use 24,000 gallons of E10 (10 percent ethanol) for all gasoline powered vehicles.
- Maintained an 85% work order completion rate for direct labor on vehicles versus shop time (85% target).

Human Resources

- Changing Pharmacy Benefit Manager to CIGNA achieved approximately 15% savings
- Employees utilizing lower cost generic drugs at 81% rate
- Coordinated retirement and replacement activities for 9 people
- Identified, provided training & activities, and promoted employees as part of the Succession Plan
- Evaluated every job for correct status (Exempt or Non-Exempt) under revised Fair Labor Standards Act criteria
- Continued on-site Mission Hospital staff treating chronic conditions using the Asheville Project model
- Provided educational and financial trainings for employees (Social Security options, 401k/457, Medicare, etc.)
- Continued Employee Relations/ Wellness activities: Diabetes Awareness, Heart Disease Awareness, Breast Cancer Awareness, Healthy Eating classes, sponsored MSD Team in “Color Run”, continued publishing of monthly Wellness newsletter, provided on-site massage therapist, coordinated retirement events
- Work with Employee Advisory Committee to improve benefits programs

Environmental Health & Safety

- Rewrote the Employee Safety Manual
- Continuing to work with crews in developing practical techniques to improve trench & end wall safety; fall protection systems;
- Working with crews to improve safety in: pedestal grinders; elimination of fiber abrasives in side grinding, etc.
Coordinated employee and management activities to maintain ISO 14001 certification
- Extended gas monitoring program to WRF operations
- Continue to provide standard trainings: Blood Borne Pathogens, confined space, etc.
- CYTD, have 8 recordable accidents
- Coordinated a variety of Safety Training programs: trenching, saw usage, rigging, PPE, gas monitor use, traffic flagger, confined space, lockout/ tag out,
- Completed next phase of Arc Flash study & marked equipment per National Fire Protection Association; Employee assessments for control panel access under way
- NFPA approved PPE and uniforms have been selected & purchased;

**RIGHT OF WAY
COMMITTEE RECOMMENDATIONS
AND MINUTES
August 24, 2016**

I. Call To Order

The regular monthly meeting of the Right of Way Committee was held in the Boardroom of the William H. Mull Building and called to order at 9:00 a.m. on Wednesday, August 24, 2016. The following Right of Way Committee members were present: Glenn Kelly, Matt Ashley Jr., Jackie Bryson, Esther Manheimer & Chris Pelly.

Others present were: Jerry VeHaun, Chairman of the Board; Joe Belcher, Board Member; Tom Hartye, Ed Bradford, Angel Banks, Mike Stamey, Wesley Banner and Pam Nolan, MSD.

II. Inquiry as to Conflict of Interest

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

**III. Consideration of Compensation Budgets–
Meadowbrook Drive GSR, Project No. 2010176
Mountain View Road GSR, Project No. 2014011**

The attached Compensation Budgets are based on current ad valorem tax values and follow the MSD approved formula.

STAFF RECOMMENDATION: Approval of Compensation Budgets.

Ms. Banks explained the projects. The Meadowbrook Drive project is located off of Hwy. 9 in Black Mountain and consists of 1,329 linear feet of 8” DIP to replace 8” VCP. There have been numerous sanitary sewer overflows on this line, heavy roots and debris are causing blockages and there is a structure built over a portion of the line blocking maintenance access. This project will be constructed by District in house crews. The Mountain View Road project is located off of Tunnel Road and consists of approximately 1,776 linear feet of 8” DIP to replace 4” PVC and 6”, 8” and 10” VCP. This line has multiple fractures and small holes and there have also been numerous overflows. This project will be advertised externally for bids.

There was no discussion. Ms. Manheimer made motion to accept Staff’s recommendation. Mr. Pelly seconded the motion. Voice vote was unanimous.

COMMITTEE RECOMMENDATION: Approval of Compensation Budgets.

IV. Consideration of Condemnations – Asheville Country Club GSR Project No. 2012130

Pin Number 9740-56-6688– The subject parcel is improved with a single family residence located along Elk Mountain Scenic Highway. The existing sewer line runs approximately 170’ through the rear width of the property. MSD is proposing to replace the sewer line in the same trench. The property owner’s main concern is the loss of trees and buffer along his property lines. MSD offered to provide replacement shrubs in efforts to restore said buffer. The property owner is also not satisfied with the compensation (\$4,297), and is of the opinion that due to the loss of trees and buffer his damages are \$30,000-\$70,000.

Despite several on site meetings with the property owner negotiations have stalled due to the significant difference in compensation between what MSD is offering and what the property owner is requesting.

Total Contacts: 17

Pin Number 9740-56-7462 - The subject parcel is improved with a single family residence and is located along Elk Mountain Scenic Highway. The existing sewer line runs along the rear property line for approximately 600' and lies adjacent to a small creek. MSD is proposing to replace the sewer line in the same trench. The property owner's main concern is the loss of trees and buffer along his property lines. There were other concerns including creek bank stabilization, and yard restoration for which MSD made provisions. The property owner is also not satisfied with the compensation offered (\$4,160).

Despite several on site meetings and telephone conversations with the property owner, he does not wish to continue negotiations and insists that the sewer line be shifted off his property and onto the adjacent residential properties.

Total Contacts: 8

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

Ms. Banks reminded Committee that the District is working on this project during the time that the Asheville Country Club golf course is also shut down for work. The District is replacing quite a bit of line on the back nine section of the golf course. Ms. Banks stated that the golf course portion is approximately 50% complete. Mr. Stamey stated that the project is going very well and the project is proceeding smoothly. Mr. Kelly asked if there was any controversy with the golf course. Mr. Stamey stated none whatsoever, everyone involved has been great to work with. Mr. Kelly asked if the right of way from them was obtained with no problem. Mr. Stamey stated that they were going back in the existing trench and the golf course had worked with them every day with no problems. Ms. Banks explained that out of the 8,600 linear foot project, about 1,200 linear feet crosses residential tracts. There are 8 parcels in the residential section, 5 have signed and the 6th person is likely to sign. The above two parcels remaining are located at 36 Elk Mountain Highway and 28 Elk Mountain Highway. Primary issues for both owners are loss of buffer and compensation. Staff made provisions for replacement plantings and yard restoration. She also stated that the buffer area on 36 Elk Mountain is largely bamboo. Mr. Ashley asked if the requested appraisal for damages was to be obtained from an unbiased source. Ms. Banks stated that was correct. Mr. Pelly asked to confirm that it was bamboo and not mature trees. Ms. Banks stated that there were some larger scrub trees but not landscape specimen quality. Mr. Belcher asked what staff considered a scrub tree. Ms. Banks stated pine, locust, etc. There was some discussion regarding what is and is not allowed in the permanent easement. Mr. Hartye asked what the temporary and permanent construction easement width on these properties was. Ms. Banks stated a 20' permanent and 15' temporary. Ms. Manheimer asked if either of the owners had retained attorneys. Ms. Banks stated they have not indicated that at this point. The owner at 36 Elk Mountain has stated that he is hiring an appraiser. Ms. Manheimer stated that she wanted to confirm that there was not a conflict of interest with her office. Mr. Ashley asked if the owners were genuinely concerned about their loss of buffer.

There was some further discussion regarding the location of these properties and the fact that this line could not be moved to a different location. There was also some discussion regarding the age of these homes in relation to the age of the sewer line. Mr. Bradford pointed out that typically when we impact trees we offer replacement trees for the loss of buffer. The trees must be planted outside the easement area. Small shrubs may be planted in the easement area but will not offer the buffer area they are looking for. Mr. Ashley asked if staff had investigated other alternatives. Ms. Banks stated that in some cases staff looked at line revisions but we are in the existing trench on the entire project. Mr. Stamey stated that pipe bursting had been looked into but this is such a shallow system there is no way to pipe burst and there would still have to be heavy equipment brought in. Mr. Bradford stated any time we encounter friction staff looks at alignment alternatives. There was some discussion regarding easement area and how much is cleared. Ms. Banks explained that the permanent easement area is completely cleared and then trees are cleared selectively in the temporary easement, depending on the area needed for heavy equipment. Mr. Pelly asked if staff was comfortable the appraisal would come in less than what the owners are requesting. Ms. Banks stated that there was no way to know for sure but that the appraiser would do his best to pull good comparables for these properties with similar creek bank and buffer areas. Mr. Belcher stated that it would be helpful to have pictures of these areas. Ms. Banks stated that there were pictures and construction plans available and Mr. Banner passed these around the table. There was further discussion regarding the easement areas on these properties. Ms. Manheimer made the motion to accept Staff's recommendation. Mr. Pelly seconded the motion. Voice vote was unanimous.

COMMITTEE RECOMMENDATION: Authority to obtain appraisal and proceed with condemnation.

V. Condemnation Statistics – July 1, 1991 to June 30, 2016

Attached you will find a report outlining condemnation statistics from July 1, 1991 to June 30, 2016. This report tracks total number of actions filed and how they were resolved, whether through settlement or trial.

SUBJECT: Closings by Agent – July 1, 2015 to June 30, 2016

Attached you will find a report outlining Closings by Agent from July 1, 2015 to June 30, 2016. This report details fiscal year acquisitions by agent, project and owner.

Ms. Banks reviewed the above reports. She stated that she recently gave a presentation to the North and South Carolina Chapters of the IRWA. She shared MSD's 5.5% condemnation rate and our 94.5% success rate of getting easements signed without litigation. She stated that they were impressed at the success rate as some of these entities experienced a 10% to 15% condemnation rate.

STAFF RECOMMENDATION: For information only. No action required.

VI. Other business:

There being no further business the meeting adjourned at 9:30 am.

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 21, 2016

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

PREPARED BY: Kevin Johnson, P.E.

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

SUBJECT: Acceptance of Developer Constructed Sewer System for Country Inn & Suites – Westgate, MSD Project No. 2014089

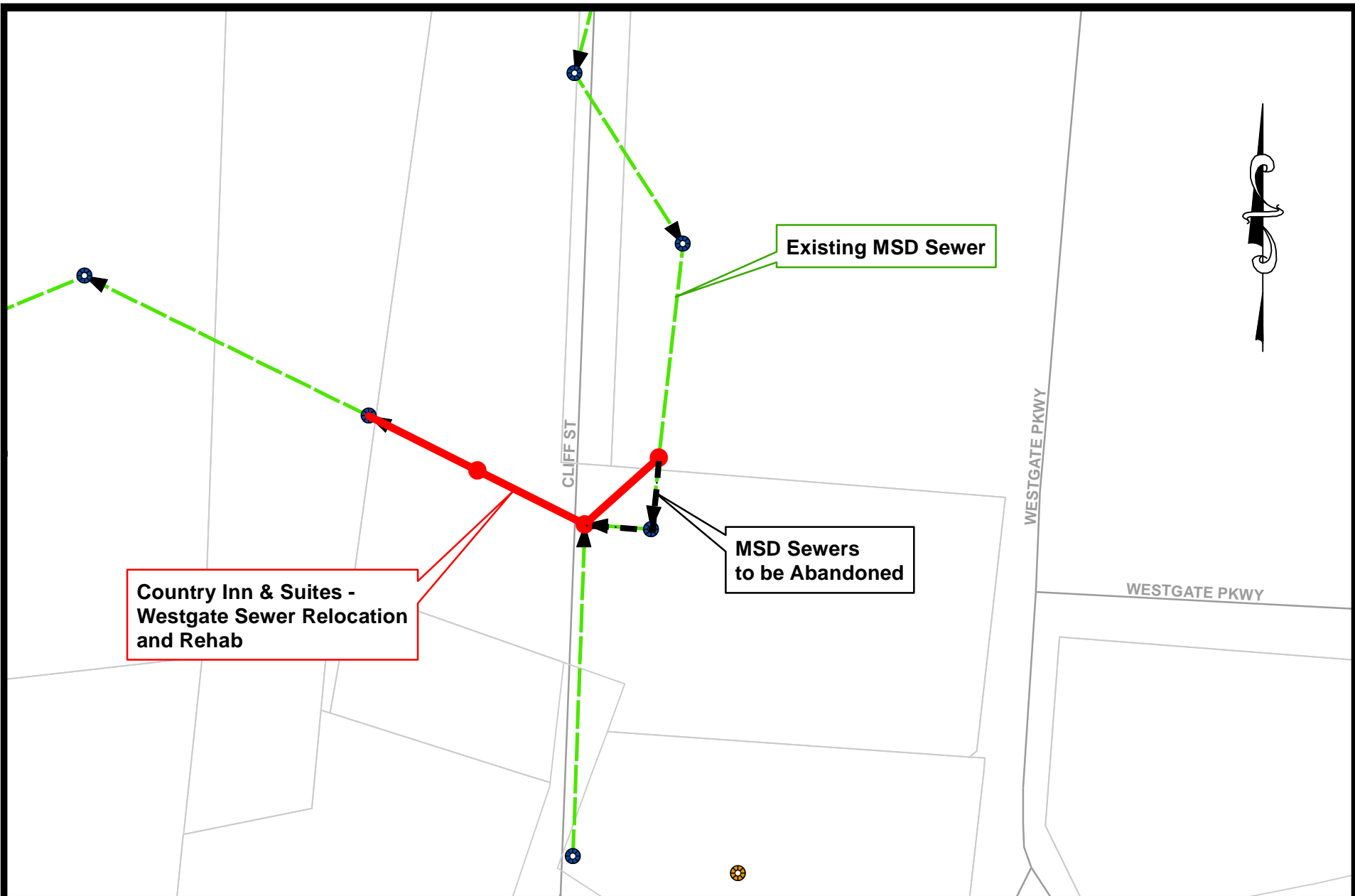
BACKGROUND: This project is located inside the District boundary at Westgate Shopping Center in the City of Asheville. The developer of the project is Antonio Fraga of Westgate Hospitality, LLC.

The project included relocating approximately 60 linear feet of 8-inch public gravity sewer and rehabilitating approximately 145 LF of 8-inch public gravity sewer to serve the new hotel and existing shopping center. Approximately 85 LF of 6-inch public sewer was abandoned to accommodate the project.

A wastewater allocation was issued in the amount of 11,280 GPD for the project. The estimated cost of the sewer construction is \$66,000.00.

All MSD requirements have been met.

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



MSD
Engineering Division

Country Inn & Suites - Westgate Sewer Relocation and Rehab
MSD Project # 2014089
 Metropolitan Sewerage District of Buncombe County

9/08/2016

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 21, 2016

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

PREPARED BY: Kevin Johnson, P.E.

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

SUBJECT: Acceptance of Developer Constructed Sewer System for Roberts Farm Phase 1A, MSD Project No. 2015056

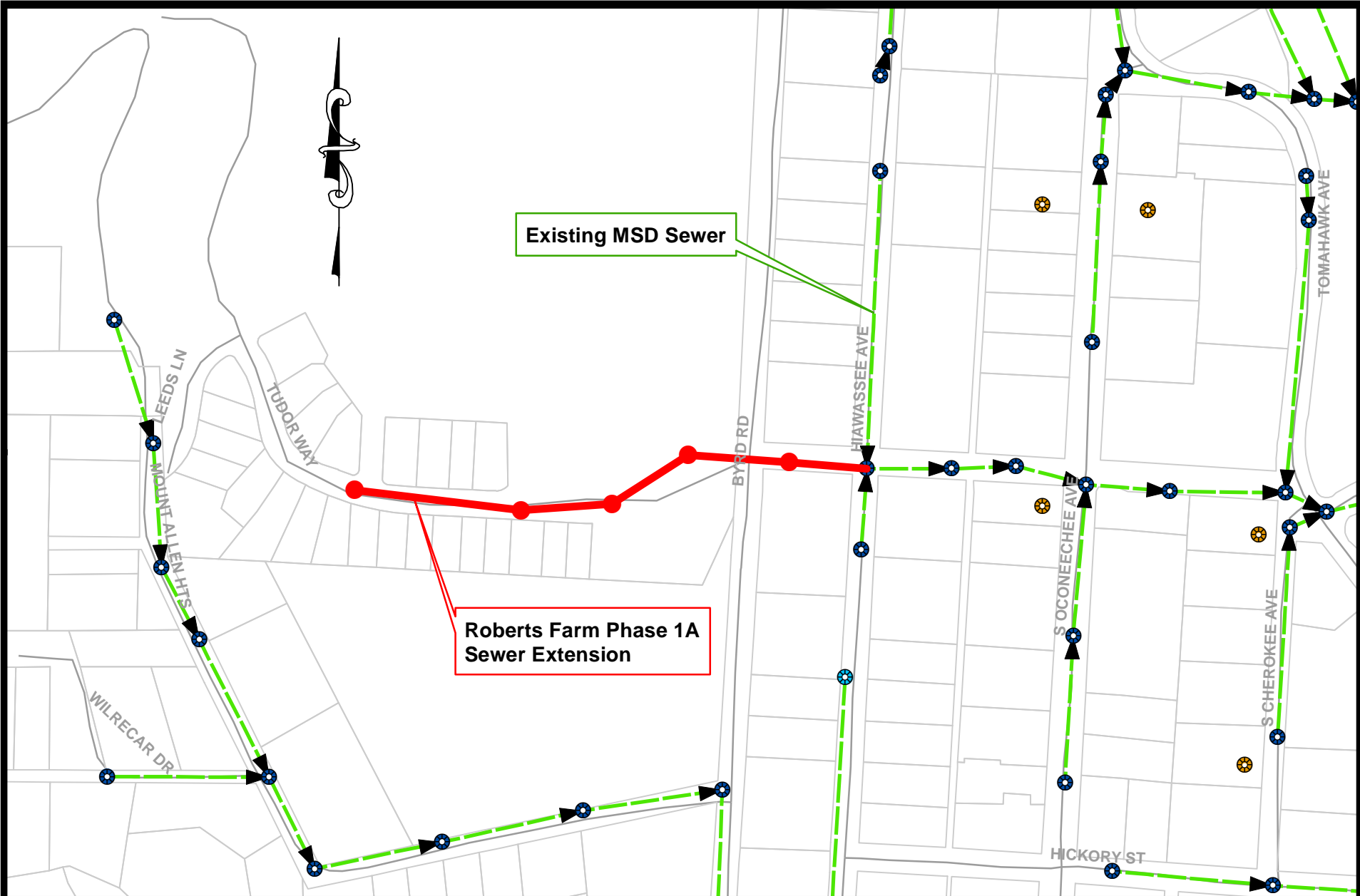
BACKGROUND: This project is located inside the District boundary off Byrd Road in the Town of Black Mountain. The developer of the project is Gregory Katzman of Summit Avenue, LLC.

The project included extending approximately 775 linear feet of 8-inch public gravity sewer to serve the first phase of the residential development consisting of fifteen single family homes and two multi-family units.

A wastewater allocation was issued in the amount of 6,000 GPD for the project. The estimated cost of the sewer construction is \$55,090.48.

All MSD requirements have been met.

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



Existing MSD Sewer

Roberts Farm Phase 1A Sewer Extension



MSD
Engineering Division

Roberts Farm Phase 1A Sewer Extension
MSD Project # 2015056
Metropolitan Sewerage District of Buncombe County

9/08/2016

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 21, 2016

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

PREPARED BY: Kevin Johnson, P.E.

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

SUBJECT: Acceptance of Developer Constructed Sewer System for Telco Credit Union - Weaverville, MSD Project No. 2014046

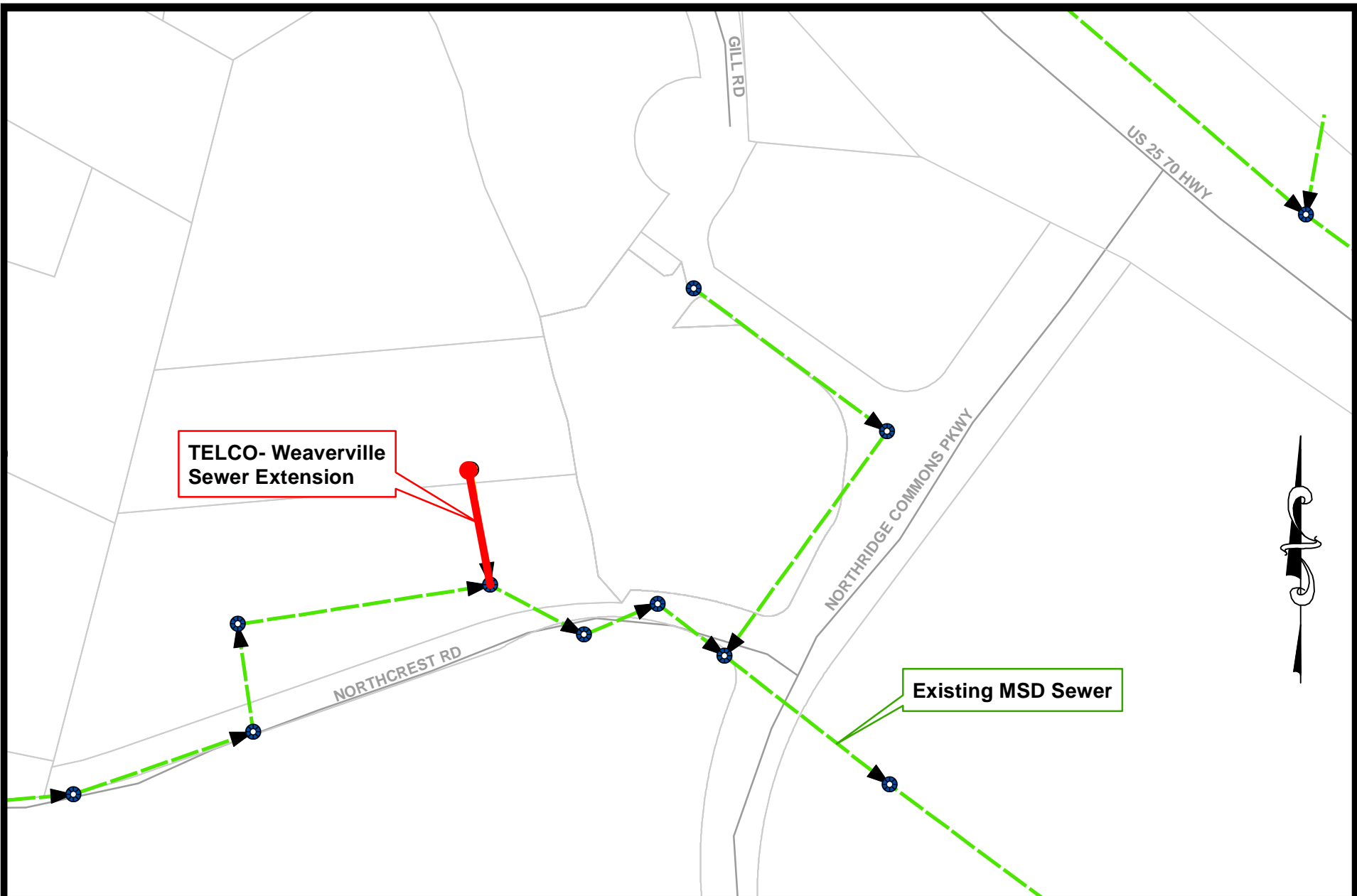
BACKGROUND: This project is located inside the District boundary at Northridge Commons in the Town of Weaverville. The developer of the project is David Burnette of Telco Community Credit Union.

The project included extending approximately 116 linear feet of 8-inch public gravity sewer.

A wastewater allocation was issued in the amount of 400 GPD for the project. The estimated cost of the sewer construction is \$12,000.00.

All MSD requirements have been met.

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



**TELCO- Weaverville
Sewer Extension**

Existing MSD Sewer



MSD
Engineering Division

TELCO- Weaverville Sewer Extension
MSD Project # 2014046
Metropolitan Sewerage District of Buncombe County

9/08/2016

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: September 21, 2016

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

PREPARED BY: Kevin Johnson, P.E.

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

SUBJECT: Acceptance of Developer Constructed Sewer System for Sonic - Weaverville, MSD Project No. 2016121

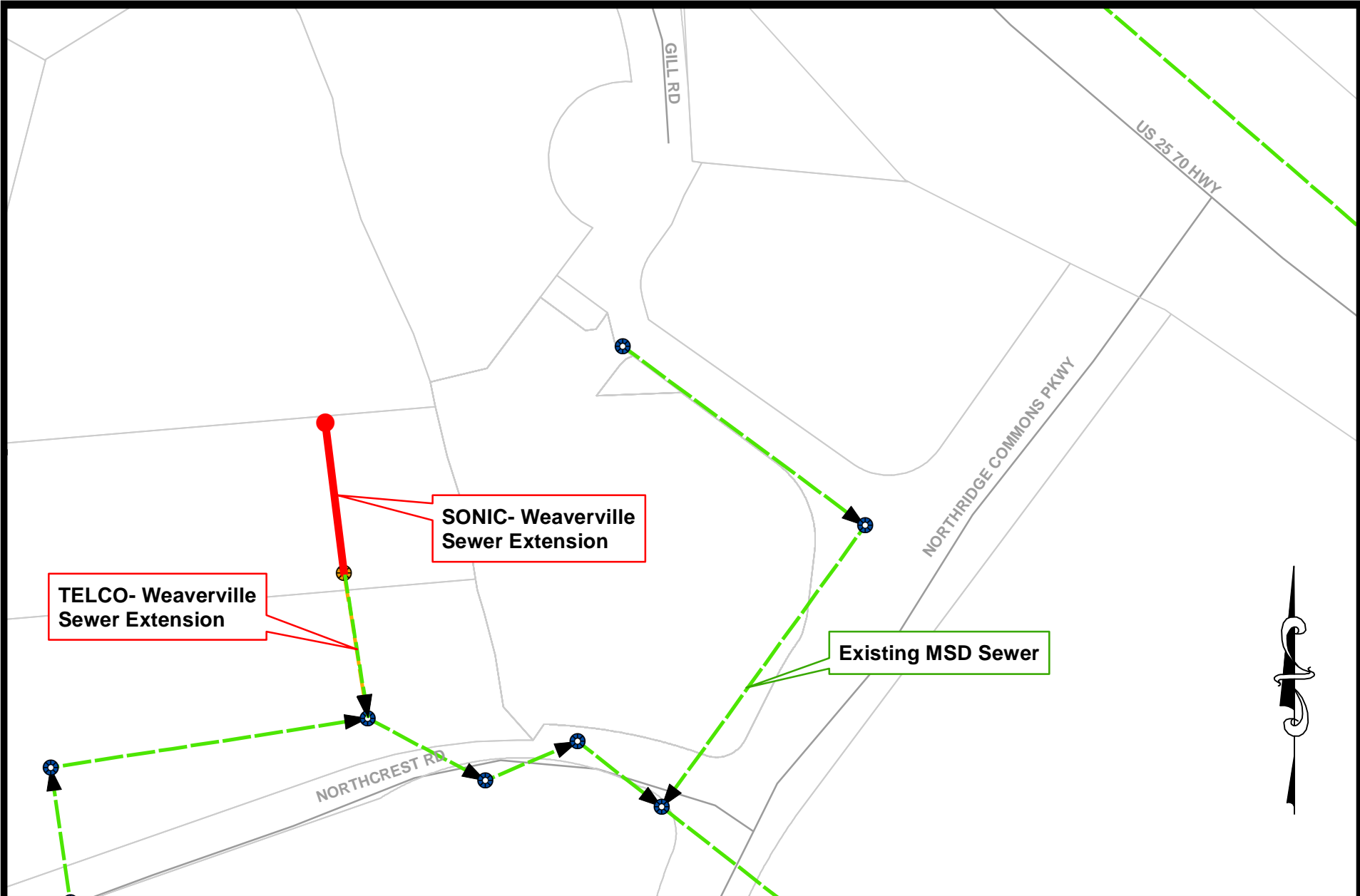
BACKGROUND: This project is located inside the District boundary at Northridge Commons in the Town of Weaverville. The developer of the project is Gus Morris of GTLS & A Co., LLC.

The project included extending approximately 120 linear feet of 8-inch public gravity sewer.

A wastewater allocation was issued in the amount of 9,600 GPD for the project. The estimated cost of the sewer construction is \$15,000.00.

All MSD requirements have been met.

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



MSD
Engineering Division

SONIC- Weaverville Sewer Extension
MSD Project # 2016121
Metropolitan Sewerage District of Buncombe County

9/08/2016

Metropolitan Sewerage District of Buncombe County

Board Action Item - Right-of-Way Committee

COMMITTEE MEETING DATE: 8/24/2016

BOARD MEETING DATE: 9/21/2016

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

SUBJECT: Consideration of Compensation Budgets –

Meadowbrook Drive GSR, Project No. 2010176
Mountain View Road GSR, Project No. 2014011

The attached Compensation Budgets are based on current ad valorem tax values and follow the MSD approved formula.

STAFF RECOMMENDATION: Approval of Compensation Budgets.

Ms. Banks explained the projects. The Meadowbrook Drive project is located off of Hwy. 9 in Black Mountain and consists of 1,329 linear feet of 8” DIP to replace 8” VCP. There have been numerous sanitary sewer overflows on this line, heavy roots and debris are causing blockages and there is a structure built over a portion of the line blocking maintenance access. This project will be constructed by District in house crews. The Mountain View Road project is located off of Tunnel Road and consists of approximately 1,776 linear feet of 8” DIP to replace 4” PVC and 6”, 8” and 10” VCP. This line has multiple fractures and small holes and there have also been numerous overflows. This project will be advertised externally for bids.

There was no discussion. Ms. Manheimer made motion to accept Staff’s recommendation. Mr. Pelly seconded the motion. Voice vote was unanimous.

COMMITTEE RECOMMENDATION: Approval of Compensation Budgets.

COMMITTEE ACTION TAKEN	
Motion by: Esther Manheimer	To: <input checked="" type="checkbox"/> Approve <input type="checkbox"/> Disapprove
Second by: Chris Pelly	<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

Meadowbrook Drive GSR

Project Number: 2010176

Compensation Budget

16-Aug-16

Pin Number and Name		Acres	Parcel SF	Land Value	LV/SF	Net PE SF	PE Assd. Value	50% PE Assd. Value	TCE SF	TCE Assd. Value	10% Annl Return	Proj Time	TCE Rent Value	Total Comp. (Rounded)		
27 Pin	83 Pin															
	0619207995	Emery	Rachel	0.74	32,234.40	\$34,100.00	\$1.06	0.00	\$0.00	\$0.00	2,137.80	\$2,266.07	\$226.61	2	\$37.77	\$38
	0619208860	Garrison	Elizabeth	0.68	29,620.80	\$35,800.00	\$1.21	0.00	\$0.00	\$0.00	199.20	\$241.03	\$24.10	2	\$4.02	\$4
	0619215350	Greene	Michael	0.60	26,136.00	\$33,100.00	\$1.27	2,762.90	\$3,508.88	\$1,754.44	1,544.70	\$1,961.77	\$196.18	2	\$32.70	\$1,787
	0619217006	Pepin	Ronald	0.70	30,492.00	\$33,800.00	\$1.11	2,198.80	\$2,440.67	\$1,220.33	1,656.50	\$1,838.72	\$183.87	2	\$30.65	\$1,251
	0619216139	Pepin	Ronald	0.95	41,382.00	\$35,300.00	\$0.85	1,514.30	\$1,287.16	\$643.58	2,354.80	\$2,001.58	\$200.16	2	\$33.36	\$677
													TOTALS:	\$3,757		
													Staff Contingency:	\$5,000		
													GM's Contingency	\$5,000		
													Amendment			
													Total Budget:	\$13,757		

Mountain View Road GSR

Project Number: 2014011

Compensation Budget

16-Aug-16

Pin Number and Name		Acres	Parcel SF	Land Value	LV/SF	Net PE SF	PE Assd. Value	50% PE Assd. Value	TCE SF	TCE Assd. Value	10% Annl Return	Proj Time	TCE Rent Value	Total Comp. (Rounded)		
27 Pin	83 Pin															
	9658770410	A&J Investment Firm LLC	0.16	6,969.60	\$38,300.00	\$5.50	0.00	\$0.00	\$0.00	118.70	\$652.85	\$65.29	4	\$21.76	\$22	
	9658679594	Dooley	Sandra	0.43	18,730.80	\$43,900.00	\$2.34	3,841.80	\$8,989.81	\$4,494.91	3,435.60	\$8,039.30	\$803.93	4	\$267.98	\$4,763
	9658676763	Mandler	Arthur	0.48	20,908.80	\$11,100.00	\$0.53	692.70	\$367.13	\$183.57	2,321.20	\$1,230.24	\$123.02	4	\$41.01	\$225
	9658678634	Mandler	Arthur	0.70	30,492.00	\$47,000.00	\$1.54	1,707.10	\$2,628.93	\$1,314.47	3,126.00	\$4,814.04	\$481.40	4	\$160.47	\$1,475
	9658770614	Meyer	Elizabeth	0.56	24,393.60	\$45,500.00	\$1.87	38.20	\$71.43	\$35.72	240.30	\$449.36	\$44.94	4	\$14.98	\$51
	9658770216	Mountain Housing Opportu		1.50	65,340.00	\$92,200.00	\$1.41	1,124.90	\$1,586.11	\$793.05	4,202.70	\$5,925.81	\$592.58	4	\$197.53	\$991
	9658678417	Perry	Onas	0.44	19,166.40	\$44,000.00	\$2.30	1,504.60	\$3,460.58	\$1,730.29	2,880.80	\$6,625.84	\$662.58	4	\$220.86	\$1,951
	9658679476	Slamp	Peter	0.21	9,147.60	\$39,800.00	\$4.35	1,833.10	\$7,973.99	\$3,986.99	0.00	\$0.00	\$0.00	4	\$0.00	\$3,987

TOTALS:	\$13,464
Staff Contingency:	\$5,000
GM's Contingency	\$5,000
Amendment	
Total Budget:	\$23,464

Metropolitan Sewerage District of Buncombe County

Board Action Item - Right-of-Way Committee

COMMITTEE MEETING DATE: 8/24/2016

BOARD MEETING DATE: 9/21/2016

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

SUBJECT: Consideration of Condemnations– Asheville Country Club GSR, Project No. 2012130

Pin Number 9740-56-6688– The subject parcel is improved with a single family residence located along Elk Mountain Scenic Highway. The existing sewer line runs approximately 170’ through the rear width of the property. MSD is proposing to replace the sewer line in the same trench. The property owner’s main concern is the loss of trees and buffer along his property lines. MSD offered to provide replacement shrubs in efforts to restore said buffer. The property owner is also not satisfied with the compensation (\$4,297), and is of the opinion that due to the loss of trees and buffer his damages are \$30,000-\$70,000.

Despite several on site meetings with the property owner negotiations have stalled due to the significant difference in compensation between what MSD is offering and what the property owner is requesting.

Total Contacts: 17

Pin Number 9740-56-7462 - The subject parcel is improved with a single family residence and is located along Elk Mountain Scenic Highway. The existing sewer line runs along the rear property line for approximately 600’ and lies adjacent to a small creek. MSD is proposing to replace the sewer line in the same trench. The property owner’s main concern is the loss of trees and buffer along his property lines. There were other concerns including creek bank stabilization, and yard restoration for which MSD made provisions. The property owner is also not satisfied with the compensation offered (\$4,160).

Despite several on site meetings and telephone conversations with the property owner, he does not wish to continue negotiations and insists that the sewer line be shifted off his property and onto the adjacent residential properties.

Total Contacts: 8

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

Ms. Banks reminded Committee that the District is working on this project during the time that the Asheville Country Club golf course is also shut down for work. The District is replacing quite a bit of line on the back nine section of the golf course. Ms. Banks stated that the golf course portion is approximately 50% complete. Mr. Stamey stated that the project is going very well and the project is proceeding smoothly. Mr. Kelly asked if there was any controversy with the golf course. Mr. Stamey stated none whatsoever, everyone involved has been great to work with. Mr. Kelly asked if the right of way from them was obtained with no problem. Mr. Stamey stated that they were going back in the existing trench and the golf course had worked with them every day with no problems. Ms. Banks explained that out of the 8,600 linear foot project, about

1,200 linear feet crosses residential tracts. There are 8 parcels in the residential section, 5 have signed and the 6th person is likely to sign. The above two parcels remaining are located at 36 Elk Mountain Highway and 28 Elk Mountain Highway. Primary issues for both owners are loss of buffer and compensation. Staff made provisions for replacement plantings and yard restoration. She also stated that the buffer area on 36 Elk Mountain is largely bamboo. Mr. Ashley asked if the requested appraisal for damages was to be obtained from an unbiased source. Ms. Banks stated that was correct. Mr. Pelly asked to confirm that it was bamboo and not mature trees. Ms. Banks stated that there were some larger scrub trees but not landscape specimen quality. Mr. Belcher asked what staff considered a scrub tree. Ms. Banks stated pine, locust, etc. There was some discussion regarding what is and is not allowed in the permanent easement. Mr. Hartye asked what the temporary and permanent construction easement width on these properties was. There was some further discussion regarding the location of these properties and the fact that this line could not be moved to a different location. There was also some discussion regarding the age of these homes in relation to the age of the sewer line. Mr. Bradford pointed out that typically when we impact trees we offer replacement trees for the loss of buffer. The trees must be planted outside the easement area. Small shrubs may be planted in the easement area but will not offer the buffer area they are looking for. Mr. Ashley asked if staff had investigated other alternatives. Ms. Banks stated that in some cases staff looked at line revisions but we are in the existing trench on the entire project. Mr. Stamey stated that pipe bursting had been looked into but this is such a shallow system there is no way to pipe burst and there would still have to be heavy equipment brought in. Mr. Bradford stated any time we encounter friction staff looks at alignment alternatives. There was some discussion regarding easement area and how much is cleared. Ms. Banks explained that the permanent easement area is completely cleared and then trees are cleared selectively in the temporary easement, depending on the area needed for heavy equipment. Mr. Pelly asked if staff was comfortable the appraisal would come in less than what the owners are requesting. Ms. Banks stated that there was no way to know for sure but that the appraiser would do his best to pull good comparables for these properties with similar creek bank and buffer areas. Mr. Belcher stated that it would be helpful to have pictures of these areas. Ms. Banks stated that there were pictures and construction plans available and Mr. Banner passed these around the table. There was further discussion regarding the easement areas on these properties. Ms. Manheimer made the motion to accept Staff's recommendation. Mr. Pelly seconded the motion. Voice vote was unanimous.

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

COMMITTEE ACTION TAKEN	
Motion by: Esther Manheimer	To: XX Approve <input type="checkbox"/> Disapprove
Second by: Chris Pelly	<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

Metropolitan Sewerage District of Buncombe County

BOARD ACTION ITEM

BOARD MEETING DATE: 9/21/16

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

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

SUBJECT: Influent Pump Replacement at the Water Reclamation Facility, MSD Project Number 2012030

BACKGROUND: The plant has three large 400hp pumps that lift all wastewater received at the plant up to the Grit and Grease Facility. The pumps have functioned well over time (these were first installed in 1986), and the internal parts have been replaced several times. The pump casings have been repaired as well.

Due to the age and wear of the pump casings the District begin replacing these pumps in 2012. This has been done on a staggered schedule, so that the pumps do not reach the end of their normal life cycle all at once. Accordingly, one pump was replaced in FY12-13; a second pump was replaced in FY14-15; and the third (final) pump is scheduled to be replaced in FY16-17.

Staff plans to retain the pump with the best internal parts, and will maintain it as a spare influent pump. Replacing the pumps in this manner has controlled the financial impact upon the District and minimized operational risks at the plant.

Given the unique nature of these pumps, a primary overriding concern is that each pump must be standardized - with identical performance and fitment within the existing footprint and piping. The original pumps are still manufactured, and the new pump is basically a "drop-in" replacement for the existing unit.

The cost for one pump with factory testing is \$145,389.68, with a production & delivery time of approximately 8 months. A contractor will be utilized for pump installation after delivery of the unit.

Please refer to the attached documentation for further information.

FISCAL IMPACT: The FY16-17 budget for this project is \$150,000.00.

STAFF RECOMMENDATION: Staff recommends that the District sole-source procure a Morris Pump Model MF 30x30-27 in the amount of \$145,389.68.

Staff recommends this sole-source due to the fact that standardization, performance, and compatibility with the existing attachments, piping, and control system is a primary overriding concern.

Interoffice Memorandum

TO: Tom Hartye, General Manager

FROM: Ed Bradford, CIP Manager
Hunter Carson, Project Manager

DATE: August 13, 2016

RE: Influent Pump Station Rehabilitation, MSD Project No. 2012030

The Influent Pump Station is arguably the most important component of the WRF. Without it, the treatment facility will not operate. Three influent pumps (one duty and two standby during average flow), each rated at 35 mgd, convey screened wastewater from the 66-inch interceptor to the grit and grease basin at the beginning of the treatment process. Without the ability to pump wastewater into the treatment plant, the collection system will back up and experience major SSOs.

In FY 12-13, staff recommended replacing all three influent pumps due to their age and condition. The pumps were installed in 1988 and were rebuilt on multiple occasions. The replacement was scheduled to occur over a 5-year period, with the first pump being replaced in FY 12-13, the second in FY 14-15, and the third in FY 16-17. This staggered approach ensures that the pumps do not reach the end of their normal life cycle all at once, and reduces operational risks at the WRF and within the collection system.

Following Board approval in June 2012 and August 2014, two of the three pumps were purchased for replacement in FY 12-13 and FY 14-15. The third replacement is recommended for the current fiscal year.

The replacement pump must possess identical performance conditions and footprint as the existing pump, and must therefore be of the same make and model, Morris Pump Model MF 30x30-27. A proposal was received from Heyward Services (Morris Pump sales representative) for one (1) pump on July 15, 2016 in the amount of **\$145,389.68**. This proposal includes the pump and all appurtenances, as well as factory performance testing.

Morris Pump is the only manufacturer of the replacement pump, and as such, is proposed to be awarded a sole source contract upon Board approval. The FY 16-17 budget amount for this purchase is \$150,000.00.

Staff recommends that the District proceed with procurement of the third and last replacement influent pump, contingent upon review and approval by District Counsel.

MSD Influent Pumps - Three Total



Three 400hp influent pumps - the largest pumps in MSD's system. Typically, only one pump is needed to maintain *all* wastewater flowing through the plant.

July 15, 2016

W. Hunter Carson, PE
Project Manager, CIP Division
MSD of Buncombe County
2028 Riverside Drive
Asheville, NC 28804

Reference: MSD of Buncombe County
French Broad River WWTP
Influent Pump Station Morris Replacement Pump

Heyward Services Proposal #071516-MHD- Rev. 1

Hunter:

Per your request, the following is our Proposal #071516-MHD- Rev.1 for one (1) Morris pump for the influent pump station.

The proposed pump is a duplicate to the original pump, with the exception of the impeller.

Specifically, we are quoting the following:

-One (1) Morris pump Model MF 30x30-27 bare pump, less motor and extended shafting, to have the same footprint as the original pump. As was the case with the last Morris replacement pump purchased by MSD, the performance of this pump has been upgraded to include the following:

Rated duty shall be 24,300 gpm @ 52' TDH at 585 RPM. Impeller diameter shall be increased to 26.625".

The pump shall be built as a bolt-in replacement (subject to concrete pier modifications) for the original pump.

Heyward Services personnel will inspect the installation of the pump by the general contractor and will perform vibration readings of the pump at startup and then again after one (1) month from initial startup, with written reports subsequently submitted to MSD.

Factory standard submittal drawings for approval shall be provided.

Two (2) copies of the factory standard O&M manuals for the pump shall be provided.

This pump is not quoted with factory testing. See optional adders below.

Your net price for the above-described equipment is \$140,853.68, lot, F.O.B. shipping point, with full freight allowed to the job site, not unloaded.

Optional cost adders to the above include the following:

-One (1) Flex-A Seal Mechanical Seal in lieu of a packed stuffing box. Cost adder is \$12,765.00.

-Non-witnessed factory performance test. Cost adder is \$4,536.00.

Startup service is included in the pricing of the above items and will not be broken out as a separate item. While our offering includes startup service, we are not a subcontractor.

Please note that our pricing does not include any videotaping. If videotaping is required, it is to be by others. We only allow videotaping after a waiver is signed, acknowledging that videotaping is not a replacement for thorough knowledge of the Installation, Operation, and Maintenance Manuals. We must be furnished with a review copy of any videotape made of our personnel during start-up or operator training. In the event the Purchaser wishes to videotape the Heyward Services field service personnel for start-up and/or during field service, Purchaser expressly waives any claim against Heyward Services, for injury or damage caused by inaccuracies or errors in such videotape(s) and understands that such videotaping is done by Purchaser at its sole risk.

Please note that our pricing does not include the provision of any safety equipment required for Confined Space entry. It shall be the sole responsibility of the Purchaser to determine if the need for safety equipment exists and to make this equipment available (at no charge) to our personnel. Heyward Services field services personnel reserve the right to refuse entry into areas they determine to be classified as OSHA defined Confined Space without proper safety provisions or other areas (or situations) deemed unsafe in general.

Please note that our pricing does not include any sales, use, excise or similar tax, or any export, import, or other duties. Any such taxes or duties that are applicable to the sale shall be paid by the purchaser.

Please note that our pricing does not include any installation, wiring, painting, bolting or any other items not specifically referenced above.

All prices are **FOB shipping point**, with full freight allowed to the jobsite, not unloaded. **Please note**, since we will not have personnel on site, we cannot accept shipping terms of F.O.B. jobsite.

All pricing is based on shipment on or before May 1, 2017. If this date is not acceptable, please advise and we will advise of any pricing differential.

Heyward Services shall not be liable for damages occasioned by delay in the performance or delivery due to causes beyond the control of Heyward Services. Time lost for delivery shall be extended equal to the time lost by reason of any such delay. If equipment, as originally specified, is delayed by the purchaser, Heyward Services, reserves the right to invoice the purchaser and store the products at the purchaser's expense.

Cancellation or suspension by the purchaser will only be accepted on terms indemnifying Heyward Services against loss.

Prices quoted are firm for 60 days from date of proposal. If we are not in receipt of a purchase order or letter of intent to purchase by the end of the firm price period, we reserve the right to modify the prices quoted.

Shop drawings can be provided within 5 weeks after receipt and acceptance of your purchase order. Completion of our scope of supply can occur within 28 weeks after approval and release.

Terms of payment – Net 30 Days.

All pricing is based on terms and conditions as stated herein. If other terms are requested, we reserve the right to adjust the prices quoted to suit the requirements of those modified terms, if they are acceptable. Any past due balances will be subject to a 1-1/2% per month interest charge.

A copy of Heyward Services' standard terms and conditions is attached and made a part of this proposal.

Should a purchase order result from this proposal, please address such order to:

HEYWARD SERVICES
2101-A CAMBRIDGE BELTWAY DRIVE
CHARLOTTE, NC 28273

If you have any questions concerning this proposal, please contact the writer at 864/414-5845.

Respectfully,

Mike Davis

HEYWARD SERVICES

HEYWARD SERVICES STANDARD TERMS AND CONDITIONS OF SALE

1. Purchase Orders

All purchase orders shall be address to Heyward Services, Charlotte, North Carolina and shall be subject to acceptance by Heyward Services.

2. Exceptions

Sale of the equipment and services identified on the face of this quotation will be solely upon the terms and conditions set forth herein. These terms and conditions supersede and reject any conflicting terms and conditions of the purchaser, any statement in the purchaser's terms and conditions to the contrary notwithstanding. Exceptions to any of our terms and conditions must be contained in a written or typed (not printed) statement received from you. We shall not be deemed to have waived any of our terms and conditions or to have assented to any modification or alteration of such terms and conditions unless such waiver or assent is in writing and signed by an authorized officer of Heyward Services.

3. Credit

All purchase orders received are subject to credit approval of Heyward Services. We reserve the right to suspend or delay shipments of material covered by your purchase order if in our opinion, there is sufficient reason to suspect potential payment default. In such a case, in addition to any other remedies herein or by law provided, cash payment or satisfactory security from you may be required by us before shipment of material is made. Acceptance by us of less than full payment shall not be a waiver of any of our rights.

4. Warranties

Heyward Services is not a manufacturing firm; therefore, the warranties for the material identified hereon is subject to such warranties as may be given by their respective manufacturer. THESE PROVISIONS CONSTITUTE SELLERS SOLE WARRANTY AND HEYWARD SERVICES MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY AND NO EXPRESSED OR IMPLIED WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE.

5. Shipment

All shipments will be made F.O.B. shipping point unless otherwise specified in this quotation. In the absence of specific instructions, Heyward Services will select the carrier. Title to and risk of loss for the material shall pass to the purchaser upon delivery to the carrier or delivery service. Material held for the purchaser or stored for the purchaser shall be at the risk and expense of the purchaser.

6. Seller's Liability

Seller shall not be liable for any loss, damage, cost of repair, incidental or consequential damage of any kind, whether based upon warranty, contract or negligence, and arising in connection with the sale, use or repair of the products. Seller's maximum liability shall not in any case exceed the contract price for the products claimed to be defective or unsuitable.

7. Returned Goods

Heyward Services will not accept products for return unless prior written permission of Heyward Services has been obtained.

8. Backcharges

Under no circumstances will Heyward Services accept any backcharges from the contractor or owner unless Heyward Services participated in and agreed, in writing, with the decisions which resulted in the backcharge.

9. Errors

Heyward Services reserves the right to correct clerical or stenographic errors or omissions.

10. Field Services

Whenever a Field Service Representative is provided by Heyward Services, the representative shall act only in an advisory capacity. He will interpret the Company's drawings, advise the purchaser regarding the sequence of steps in erection, installation, inspection, start-up, dismantling, or repairs and explain features and components of the Company's products and their function. He will offer constructive criticism of work conditions, methods, and procedures at the jobsite. He will not be required to superintend or supervise personnel supplied by the purchaser or train them in their respective crafts in connection with the performance of their work. If, however, at the request of the purchaser and if Heyward Services agrees that the representative will act in another capacity, he shall do so in accordance with normal standards of the industry for that type of work. Whenever Heyward Services is involved in rehabilitative work for a customer, there is no warranty extended that repair or rehabilitative work performed will be successful. All risk in such cases shall be with the purchaser and decisions with respect to repair or replacement of the purchaser's equipment or parts thereof, shall remain solely with the purchaser. Neither Heyward Services nor the representative shall be responsible for any acts, omissions, or workmanship of employees, contractors, subcontractors, or agents of the purchaser or for their failure to follow the advice or instructions of the representative.

11. Purchaser's Responsibility

Purchaser shall furnish at his own expense and responsibility, all cranes, rigging, tools, facilities and equipment, material and repair or replacement parts, together with sufficient skilled and common labor and foreman, supervisors, and interpreters for the efficient performance of all work. He shall further designate a person in his organization to represent him fully at the site in all contacts and dealings with the representative. The purchaser's representative shall be responsible for coordinating the work and shall be in charge of labor, supplies, tools, and facilities to be furnished by the purchaser. Purchaser's representative shall inspect and shall be authorized to accept all details of the work as they are completed.

12. Entire Agreement.

Terms and provisions contained in this proposal shall constitute the entire agreement between Heyward Services and the person or organization to whom this proposal is directed.

HS-1-00

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

BUDGET DATA SHEET - FY 2016 - 2017

PROJECT: Influent Pump Station Rehabilitation	LOCATION: MSD-Treatment Plant
TYPE: Treatment Plant	PIPE RATING: N/A
PROJECT NO.: 2012030	TOTAL LF: 0
PROJECT BUDGET: \$1,639,000.00	PROJECT ORIGIN: Aging Equipment

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/15	EST. COST JAN - JUNE 2016	EST. BUDGET FY 16-17
55310 - PRELIM. ENGINEERING	\$14,000.00	\$14,000.00	\$0.00	
55320 - SURVEY - DESIGN	\$1,000.00	\$950.00	\$50.00	
55330 - DESIGN	\$75,000.00	\$65,000.00	\$10,000.00	
55340 - PERMITS	\$10,000.00	\$750.00	\$9,250.00	
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS				
55370 - LEGAL FEES				
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION				
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$1,476,500.00	\$1,043,175.00	\$283,325.00	\$150,000.00
55430 - CONST. CONTRACT ADM.	\$57,000.00	\$46,779.00	\$10,221.00	
55440 - TESTING	\$5,500.00	\$500.00	\$5,000.00	
55450 - SURVEY - ASBUILT				
TOTAL AMOUNT	\$1,639,000.00	\$1,171,154.00	\$317,846.00	\$150,000.00

ENGINEER: MSD	HC	ESTIMATED BUDGETS - FY '18 -'26	
R.O.W. ACQUISITION: N/A	# PLATS: [0]	FY 17-18	\$0.00
CONTRACTOR: TBD		FY 18-19	\$0.00
CONSTRUCTION ADM.: MSD		FY 19-20	\$0.00
INSPECTION: MSD		FY 20-21	\$0.00
		FY 21-22	\$0.00
		FY 22-23	\$0.00
		FY 23-24	\$0.00
		FY 24-25	\$0.00
		FY 25-26	\$0.00

PROJECT DESCRIPTION: This project is to rehabilitate the influent pump station at the plant. The existing motor controls have deteriorated over the years and must be replaced. New controls will be installed and the space will be air conditioned. One influent pump was replaced in FY13-14, and another in FY15-16. The remaining pump has been re-built multiple times and is approximately 25 years old.

SPECIAL PROJECT NOTES: Pump replacement work to be subcontracted due to safety and liability concerns.



Influent Pump Station Rehabilitation Project No. 2012030

NOT TO SCALE



METROPOLITAN SEWERAGE DISTRICT
of
BUNCOMBE COUNTY, NORTH CAROLINA

Budget Map

Metropolitan Sewerage District of Buncombe County

BOARD INFORMATIONAL ITEM

Meeting Date: September 21, 2016

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

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

Subject: Cash Commitment/Investment Report-Month Ended July 31, 2016

Background

Each month, staff presents to the Board an investment report for all monies in bank accounts and specific investment instruments. The total investments as of July 31, 2016 were \$43,199,176. The detailed listing of accounts is available upon request. The average rate of return for all investments is 0.463%. 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, 2016 do not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of July 31, 2016 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is (\$6,041,897).

Total Cash & Investments as of 07/31/2016		43,199,716
Less:		
Budgeted Commitments (Required to pay remaining FY17 budgeted expenditures from unrestricted cash)		
Construction Funds	(21,650,642)	
Operations & Maintenance Fund	(15,176,303)	
		(36,826,945)
Bond Restricted Funds		
Bond Service (Funds held by trustee):		
Funds in Principal & Interest Accounts	(20,980)	
FY17 Principal & Interest Due	(7,834,969)	
		(7,855,949)
District Reserve Funds		
Fleet Replacement	(604,279)	
Pump Replacement	(100,016)	
WWTP Replacement	(373,358)	
Maintenance Reserve	(956,519)	
		(2,034,172)
District Insurance Funds		
General Liability	(206,223)	
Worker's Compensation	(48,213)	
Post-Retirement Benefit	(1,474,032)	
Self-Funded Employee Medical	(796,079)	
		(2,524,547)
Designated for Capital Outlay		(6,041,897)

Staff Recommendation

None. Information Only.

Action Taken

Motion by:

to

Approve

Disapprove

Second by:

Table

Send to Committee

Other:

Follow-up Required:

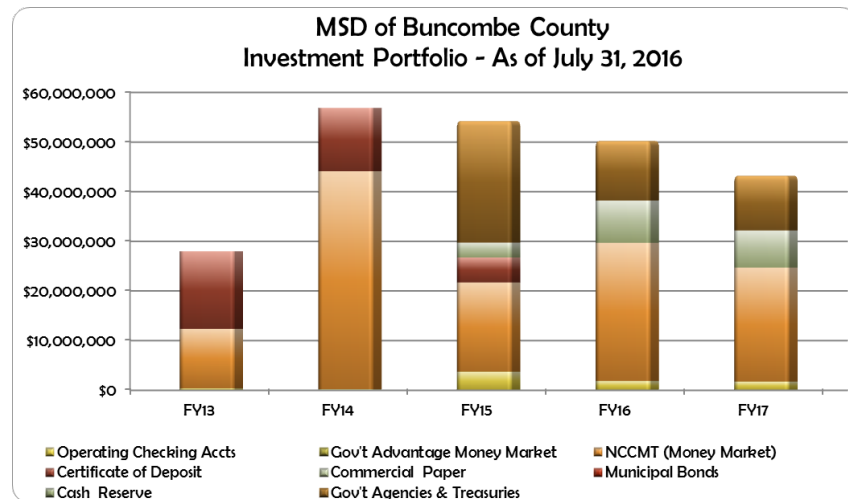
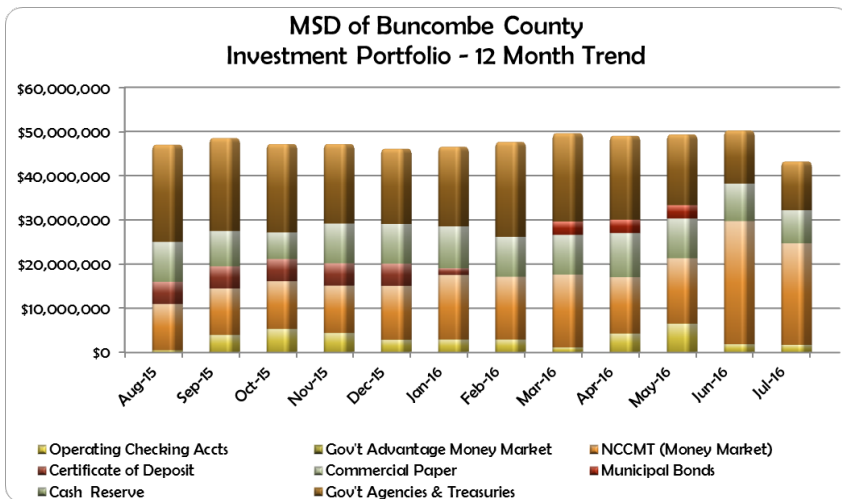
Person Required:

Deadline:

Metropolitan Sewerage District of Buncombe County Investment Portfolio

	Operating Checking Accounts	Gov't Advantage Money Market	NCCMT (Money Market)	Certificate of Deposit	Commercial Paper	Municipal Bonds	Cash Reserve	Gov't Agencies & Treasuries	Total
Held with Bond Trustee	\$ -	\$ -	\$ 20,979	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,979
Held by MSD	1,711,578	46,669	22,933,295	-	7,486,730	-	-	11,000,465	43,178,737
	\$ 1,711,578	\$ 46,669	\$ 22,954,274	\$ -	\$ 7,486,730	\$ -	\$ -	\$ 11,000,465	\$ 43,199,716

Investment Policy Asset Allocation	Maximum Percent	Actual Percent	
U.S. Government Treasuries,			
Agencies and Instrumentalities	100%	25.46%	No significant changes in the investment portfolio as to makeup or total amount.
Bankers' Acceptances	20%	0.00%	
Certificates of Deposit	100%	0.00%	The District 's YTM of .69% is exceeding the YTM benchmarks of the 6 month T-Bill and NCCMT Cash Portfolio.
Commercial Paper	20%	17.33%	
Municipal Bonds	100%	0.00%	6 month T-Bill and NCCMT Cash Portfolio.
North Carolina Capital Management Tru	100%	53.14%	
Checking Accounts:			
Operating Checking Accounts	100%	3.96%	All funds invested in CD's, operating checking accounts, Gov't Advantage money market are fully collateralized with the State Treasurer.
Gov't Advantage Money Market		0.11%	

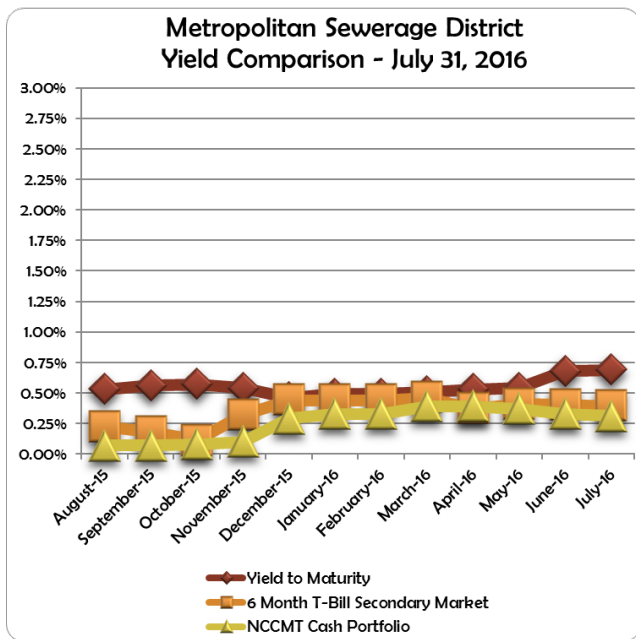
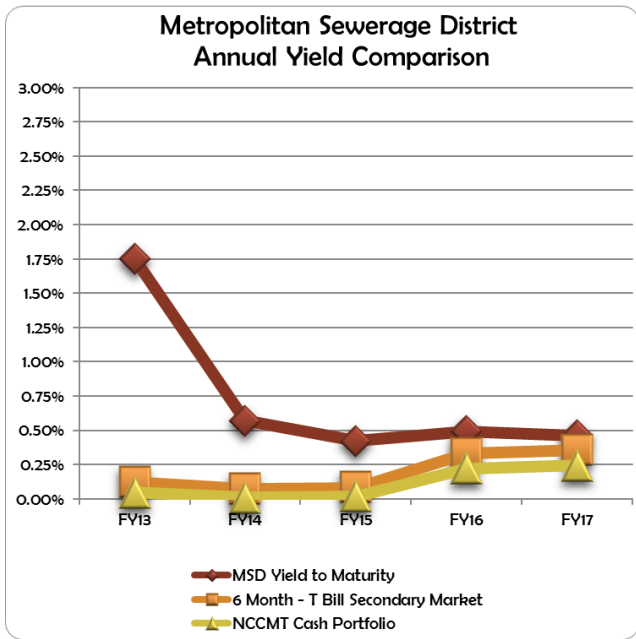


**METROPOLITAN SEWERAGE DISTRICT
 INVESTMENT MANAGERS' REPORT
 At July 31, 2016**

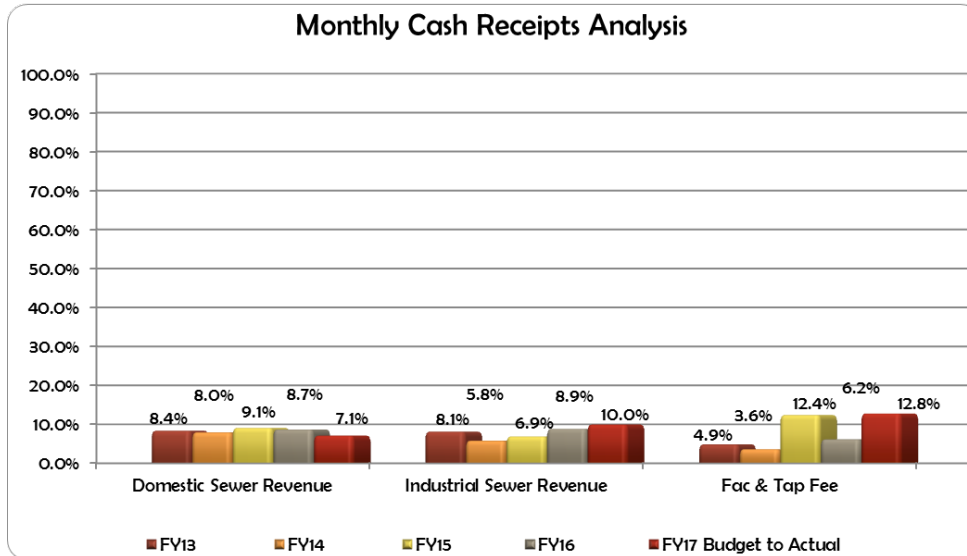
	Original		Interest
	Cost	Market	
Beginning Balance	\$ 40,085,297	\$ 40,093,146	\$ 18,549
Capital Contributed (Withdrawn)	(362,209)	(362,209)	
Realized Income	11,805	11,805	(4,987)
Unrealized/Accrued Income		(2,212)	5,808
Ending Balance	\$ 39,734,893	\$ 39,740,530	\$ 19,370

	Original Cost	Income
Cash Equivalents <91 Days	\$ 32,234,893	\$ 8,449
Securities/CD's 91 to 365 Days	1,000,000	\$ 262
Securities/CD's > 1 Year	6,500,000	\$ 1,704
	\$ 39,734,893	\$ 10,414

<u>Month End Portfolio Information</u>	
Weighted Average Maturity	218
Yield to Maturity	0.69%
6 Month T-Bill Secondary Market	0.39%
NCCMT Cash Portfolio	0.31%

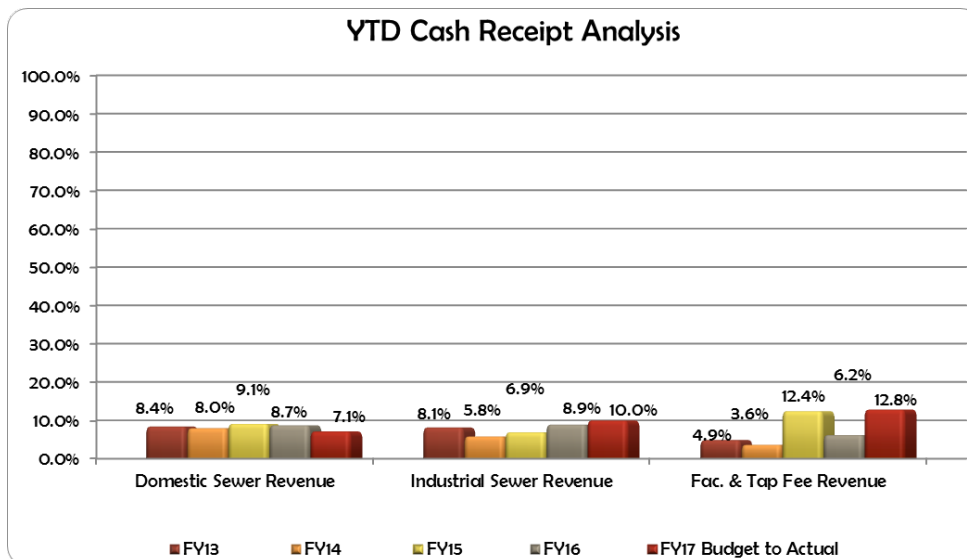


**METROPOLITAN SEWERAGE DISTRICT
 ANALYSIS OF CASH RECEIPTS
 As of July 31, 2016**



Monthly Cash Receipts Analysis:

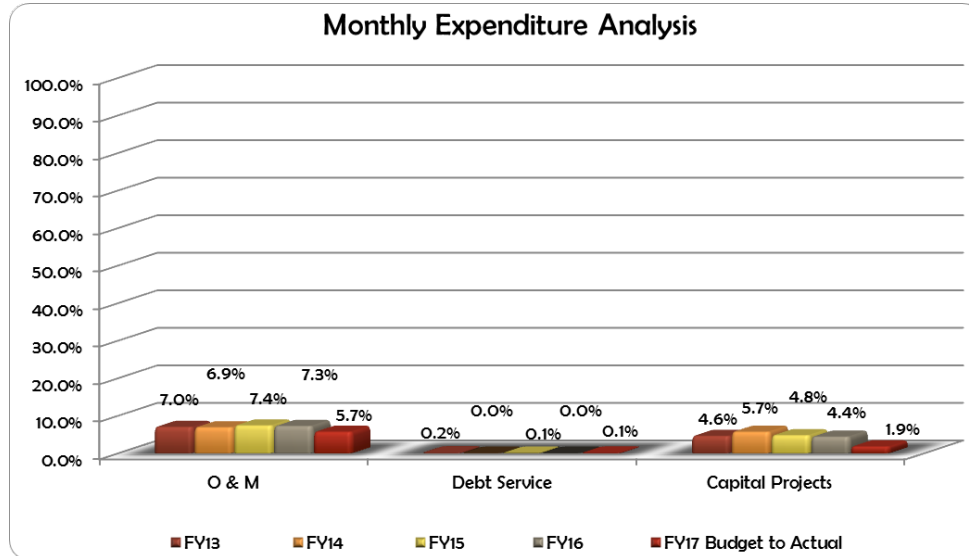
- Monthly domestic sewer revenue is considered reasonable based on timing of cash receipts in their respective fiscal periods.
- Monthly industrial sewer revenue is reasonable based on historical trends.
- Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap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



YTD Actual Revenue Analysis:

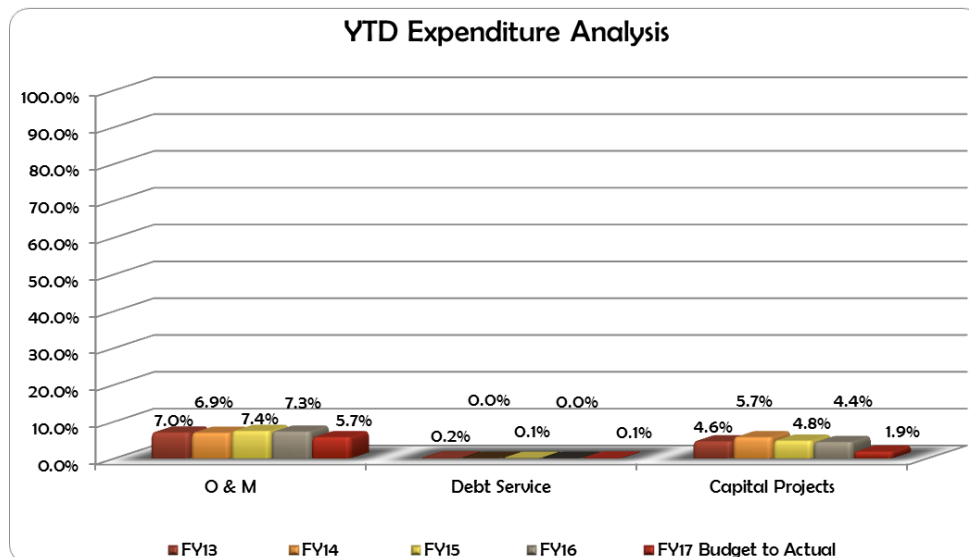
- YTD domestic sewer revenue is considered reasonable based on historical trends.
- YTD industrial sewer revenue is reasonable based on historical trends.
- Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap fee revenue reasonable.

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



Monthly Expenditure Analysis:

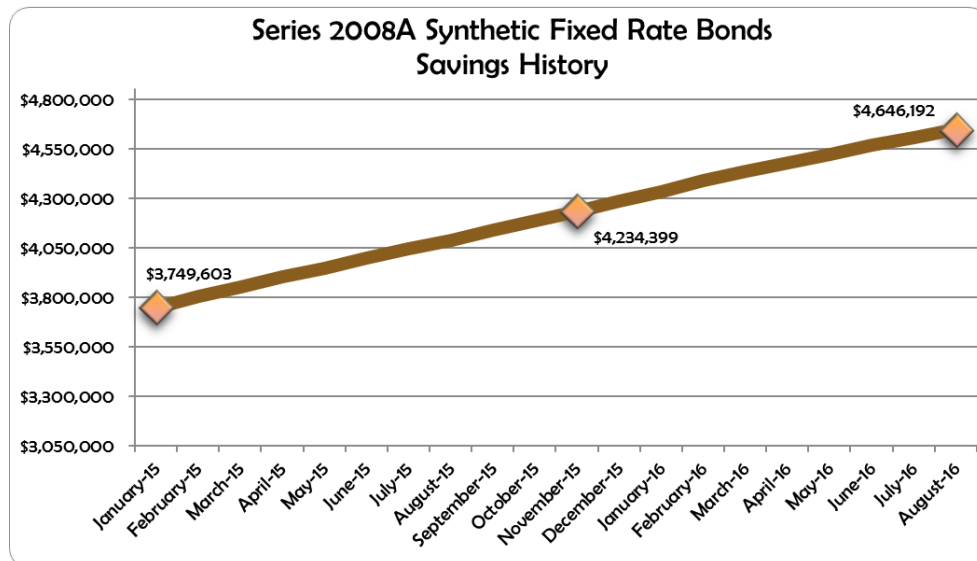
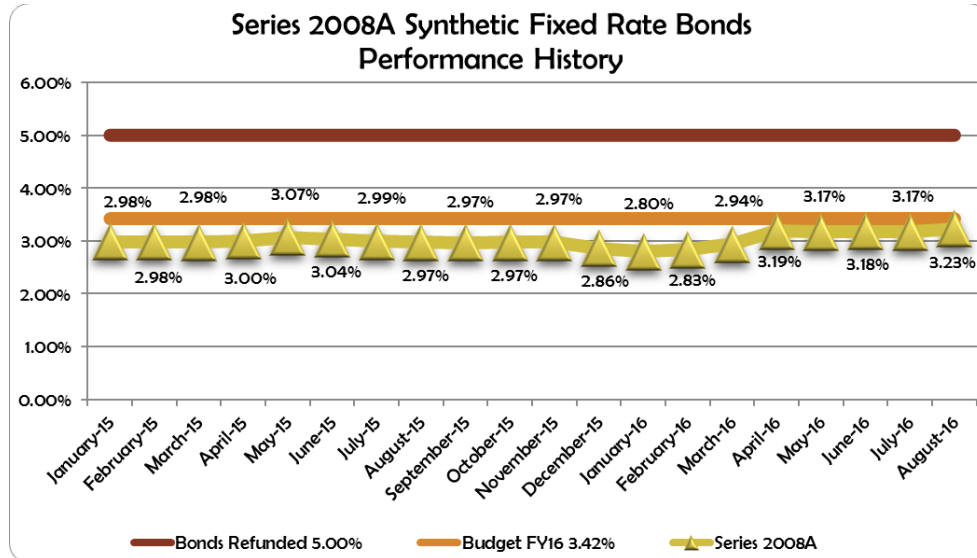
- Monthly O&M expenditures are considered reasonable based on historical trends and timing of expenditures in the current year.
- Due to the nature of the variable rate bond market, monthly expenditures can vary year to year. Based on current variable interest rates, monthly debt service expenditures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



YTD Expenditure Analysis:

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

**METROPOLITAN SEWERAGE DISTRICT
 VARIABLE DEBT SERVICE REPORT
 As of August 31, 2016**



Series 2008A:

- ▲ Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$4,646,192 as compared to 4/1/2008 fixed rate of 4.85%.
- ▲ Assuming that the rate on the Series 2008A Bonds continues at the current all-in rate of 3.9475%, MSD will achieve cash savings of \$4,670,000 over the life of the bonds.
- ▲ MSD would pay \$5,571,883 to terminate the existing Bank of America Swap Agreement.

STATUS REPORTS

**MSD System Services In-House Construction
FY 16-17 PROJECTS**

PROJECT NAME	LOCATION	ZIP CODE	ESTIMATED FOOTAGE	ESTIMATED PROJECT DATES	WO#	CREW	COMPLETION DATE	ACTUAL FOOTAGE	NOTES
Asheville Country Club Phase 1 B	N. Asheville	28804	1739	6/29/16 - 7/21/16	234696	631	7/21/2016	1739	complete
Asheville Country Club 6" Replacement	N. Asheville	28804	325	7/25/16 - 7/27/16	235071	631	7/27/2016	325	complete
Tanglewood Drive at Craggy Ave	W. Asheville	28803	141	7/18/16 - 7/28/16	233397	632	7/28/2016	101	complete
Graceland Place Rehabilitation	Arden	28704	120	6/27/16 - 8/2/126	234656	632	8/2/2016	120	complete
Dejeuil Drive Sewer Rehabilitation	West Asheville	28806	300	8/8/16 - 9/1/16	219451	632	8/15/2016	300	complete
Asheville Country Club Phase 2	N. Asheville	28804	4030	7/28-16 - 9/28/16	225192	631			Construction 70% complete
Lakeshore Drive	Asheville	28804	500	9/2/16 - 10-1/16	235169	632			Construction 20% complete
166 S. French Broad Ave	Asheville	28803	280	10/3/16 - 11/2/16	236410	632			ready for construction
Upper Chestnut @ Lookout Road	Woodfin	28804	800	10/3/16 - 11/19/16	TBA	631			ready for construction
Weighstill PS Force Main Replacement	Arden	28704	1700	FY 16-17	235481	631			ready for construction
Kenilworth Rd @ Sheridan Road	Asheville	28803	400	FY 16-17	TBA	TBA			ready for construction
East Grovestone Quarry	Black Mountain	28711	780	FY 16-17	213459	TBA			ready for construction
Spears Avenue Rehabilitation	Asheville	28801	300	FY 16-17	225197	TBA			ready for construction
Celia Place at Bond Street	Asheville	28801	526	FY 16-17	227752	TBA			ready for construction
School Road at Cranford Road	W. Asheville	28806	360	FY 16-17	224943	TBA			ready for construction, MSD Project 2014084
Starnes Avenue at Broadway Street	Asheville	28801	400	FY 16-17	208325	TBA			ready for construction
350 Old Haw Creek Road	Asheville	28805	1333	FY 16-17	47802	TBA			ready for construction
905 Patton Avenue	Asheville	28806	187	FY 16-17	TBA	TBA			ready for Construction
149 Weston Rd	Arden	28704	210	FY 16-17	225004	TBA			ready for construction
110 Beaver Drive	Woodfin	28804	425	FY 16-17	210211	TBA			ready for construction
18 Crestland Road	Asheville	28803	270	FY 16-17	46826	TBA			ready for construction
Meadowbrook Rd Rehabilitation	Black Mountain	28711	1327	FY 16-17	TBA	TBA			In ROW
69 Providence Road	West Asheville	28806	190	FY 16-17	231127	TBA			In Design
722 Center St	Asheville	28803	265	FY 16-17	229911	TBA			In Design
5 Spring Cove Terr	Beaverdam	28804	375	FY 16-17	233212	TBA			In Design
Seventh St	Black Mountain	28711	200	FY 16-17	225198	TBA			In design
School Road at Woodland	W. Asheville	28806	350	FY 16-17	224993	TBA			In design
Upper Chestnut Ridge at lookout Road	Woodfin	28804	800	FY 16-17	210370	TBA			In Design
179 Old Haw Creek Rd	Asheville	28805	760	FY 16-17	220080	TBA			In Design
Biltmore Avenue at Bryson Street	Asheville	28801	200	FY 16-17	225195	TBA			In Design
111 Compton Drive	Asheville	28806	360	FY 16-17	228741	TBA			In Design
332 Wilson Avenue	Swannanoa	28778	235	FY 16-17	210202	TBA			In Design
Old Farm School Road	Asheville	28805	550	FY 16-17	456319	TBA			In Design
155 New Haw Creek Road	Asheville	28805	100	FY 16-17	456318	TBA			In Design
184 West Chestnut	Asheville	28801	320	FY 16-17	201957	TBA			In Design
Belmont Road	W. Asheville	28806	170	FY 16-17	233437	TBA			In Design
24 Ivey Street	W Asheville	28806	850	FY 16-17	TBA	TBA			In Design
4 Westview Rd	Asheville - Oakley	28803	740	FY 16-17	TBA	TBA			In Design
304 9th Street	Black Mountan	28711	450	FY 16-17	TBA	TBA			In Design
15 New Jersey	Asheville	28806	250	FY 16-17	TBA	TBA			In Design
139 Weaverville Rd	Asheville - Woodfin	28804	400	FY 16-17	TBA	TBA			In Design



CONSTRUCTION TOTALS BY DATE COMPLETED - Monthly

From 7/1/2016 to 7/31/2016

	Dig Ups	Emergency Dig Ups	Dig Up ML Ftg	Dig Up SL Ftg	Manhole Repairs	Taps Installed	ROW Ftg	IRS Rehab Ftg *	Const Rehab Ftg *	D-R Rehab Ftg *	Manhole Installs	Bursting Rehab Ftg *	Total Rehab Ftg *
July 2016	24	9	114	706	35	27	1,620	0	16	377	11	1,788	2181
Grand Totals	24	9	114	706	35	27	1,620	0	16	377	11	1,788	2181

* Used to calculate Total Rehab Footage



PIPELINE MAINTENANCE TOTALS BY DATE COMPLETED - Monthly

July 01, 2016 to July 31, 2016

	Main Line Wash Footage	Service Line Wash Footage	Rod Line Footage	Cleaned Footage	CCTV Footage	Smoke Footage	SL-RAT Footage
2016							
July	45,193	2,360	6,542	51,735	20,983	32,171	20,618
Grand Total:	45,193	2,360	6,542	51,735	20,983	32,171	20,618
Avg Per Month:	45,193	2,360	6,542	51,735	20,983	32,171	20,618



CUSTOMER SERVICE REQUESTS

Monthly - All Crews

CREW	MONTH	JOBS	AVERAGE RESPONSE TIME	AVERAGE TIME SPENT
DAY 1ST RESPONDER				
	July, 2016	105	26	41
		105	26	41
NIGHT 1ST RESPONDER				
	July, 2016	13	22	52
		13	22	52
ON-CALL CREW *				
	July, 2016	35	48	37
		35	48	37
Grand Totals:		153	31	41

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

Closings by Agent

From 7/1/2015 to 6/30/2016

Acquistion Agent Martin/McGill

StatusDate	StatusComment	ROWID	ProjectName	LastName
3/17/2016	Closed condemnation. Consent Judgment.	5575	Short Coxe @ Southside	JAGJ Inc.

Total Closings by Agent: 1

Acquistion Agent MSD

StatusDate	StatusComment	ROWID	ProjectName	LastName
7/1/2015	Closed. One check for PINs #4151, 3151, 3086, & 4002.	6271	Shadowlawn Drive Ph. 2	Griffin, & Virginia Schmidt
7/1/2015	Closed. One check for PINs #4151, 3151, 3086, & 4002.	6306	Shadowlawn Drive Ph. 2	Griffin, & Virginia Schmidt
7/1/2015	Closed. One check for PINs #4151, 3151, 3086, & 4002.	6307	Shadowlawn Drive Ph. 2	Griffin, & Virginia Schmidt
7/1/2015	Closed. One check for PINs #4151, 3151, 3086, & 4002.	6308	Shadowlawn Drive Ph. 2	Griffin, & Virginia Schmidt
7/1/2015	Closed.	6312	Shadowlawn Drive Ph. 2	Four Seasons Investment Property LLC
7/13/2015	Closed	6331	French Broad River Academy	French Broad River Academy Inc.
7/16/2015	Closed.	6281	Shadowlawn Drive Ph. 2	Bagamary
7/17/2015	Closed. One check for PINs #7348, 8684, 8409 & 8568.	6291	Sand Hill @ Russell/Davenport GSR	Dry Ridge Investments LLC
7/17/2015	Closed. One check for PINs #7348, 8684, 8409 & 8568.	6293	Sand Hill @ Russell/Davenport GSR	DeBord Enterprises LLC
7/17/2015	Closed. One check for PINs #7348, 8684, 8409 & 8568.	6330	Sand Hill @ Russell/Davenport GSR	DeBord Enterprises LLC
7/23/2015	Closed. New owner Jaime Hadnagy signed today; no additional comp paid. Need subordination agrm't from Pike.	6282	Shadowlawn Drive Ph. 2	Hadnagy
7/24/2015	Closed.	6283	Shadowlawn Drive Ph. 2	Gurney
7/27/2015	Closed	6254	Fair Oaks Road @ Greene Road	Collington
7/31/2015	Closed. One check for PINs #7348, 8684, 8409 & 8568.	6294	Sand Hill @ Russell/Davenport GSR	DeBord Enterprises LLC
7/31/2015	Closed.	6310	Shadowlawn Drive Ph. 2	GFFAC Holdings LLC
8/3/2015	Closed.	6256	Fair Oaks Road @ Greene Road	Steinbach
8/7/2015	Closed. One check for PIN #0808 & 2594.	6278	Shadowlawn Drive Ph. 2	Duval
8/7/2015	Closed. One check for PIN #0808 & 2594.	6276	Shadowlawn Drive Ph. 2	Duval Enterprises LLC
8/13/2015	Closed	6263	Fair Oaks Road @ Greene Road	Guzman
8/18/2015	Closed. No compensation for public utility.	6314	New Salem Road GSR	Duke Energy Progress LLC
8/21/2015	Closed	6261	Fair Oaks Road @ Greene Road	Kerrigan

8/26/2015	Closed	6259	Fair Oaks Road @ Greene Road	Morgan
8/28/2015	Closed	6260	Fair Oaks Road @ Greene Road	King, Jr.
9/1/2015	Closed	6257	Fair Oaks Road @ Greene Road	Warne
9/1/2015	Closed.	6262	Fair Oaks Road @ Greene Road	Cook
9/3/2015	Closed.	6302	Sand Hill @ Russell/Davenport GSR	Branton
9/8/2015	Closed. One check for both parcels.	6296	Sand Hill @ Russell/Davenport GSR	Bridges
9/8/2015	Closed. One check for both parcels.	6297	Sand Hill @ Russell/Davenport GSR	Bridges
9/8/2015	Closed	6359	Ingles Markets Distribution Center	Ingles Markets Incorporated
9/14/2015	Closed.	6290	Sand Hill @ Russell/Davenport GSR	Osteen
9/15/2015	Closed.	6286	Sand Hill @ Russell/Davenport GSR	Weller
9/25/2015	Closed.	6298	Sand Hill @ Russell/Davenport GSR	Sorlien
10/5/2015	Closed.	6255	Fair Oaks Road @ Greene Road	Benson
10/7/2015	Closed.	6300	Sand Hill @ Russell/Davenport GSR	Williams
10/7/2015	Closed.	6295	Sand Hill @ Russell/Davenport GSR	Ray
10/9/2015	Closed	6406	City of Asheville-Sardis Road Annexation	City of Asheville
10/19/2015	Closed. One check for both parcels.	6288	Sand Hill @ Russell/Davenport GSR	Banks
10/19/2015	Closed. One check for both parcels.	6289	Sand Hill @ Russell/Davenport GSR	Banks
10/20/2015	Closed.	6336	Erwin Hills Road @ Lee's Creek Road Extension	County of Buncombe
10/20/2015	Closed.	6335	Erwin Hills Road @ Lee's Creek Road Extension	County of Buncombe
10/20/2015	Closed.	6337	Erwin Hills Road @ Lee's Creek Road Extension	County of Buncombe
10/21/2015	Closed	6258	Fair Oaks Road @ Greene Road	Wright LE
10/21/2015	Closed.	6239	Hendersonville Road @ Mills Gap Road GSR	Kalogerakis
10/23/2015	Closed.	6304	Sand Hill @ Russell/Davenport GSR	Westwood Cohousing Homeowners Associatio
10/28/2015	Closed. New parcel. One check for 3 PINs.	6339	Sand Hill @ Russell/Davenport GSR	Green Development LLC
10/28/2015	Closed. New parcel. One check for 3 PINs.	6338	Sand Hill @ Russell/Davenport GSR	Green Development LLC
10/28/2015	Closed. Orig parcel divided into 3. One check for 3 PINs.	6287	Sand Hill @ Russell/Davenport GSR	Green Development LLC
10/28/2015	Closed. New parcel not in orig plan.	6340	Sand Hill @ Russell/Davenport GSR	Davenport Park Homeowner's Association
11/4/2015	Closed.	6301	Sand Hill @ Russell/Davenport GSR	McSwain
11/5/2015	Closed.	6235	Hendersonville Road @ Mills Gap Road GSR	Ingles Markets Inc.
11/5/2015	Closed.	6334	Erwin Hills Road @ Lee's Creek Road Extension	Buncombe County Board of Education
11/5/2015	Closed.	6234	Hendersonville Road @ Mills Gap Road GSR	Ingles Markets, Inc.
11/5/2015	Closed.	6232	Hendersonville Road @ Mills Gap Road GSR	Ingles Markets Inc.
11/10/2015	Closed	6303	Sand Hill @ Russell/Davenport GSR	Fisher Trust
11/18/2015	Closed.	6333	Erwin Hills Road @ Lee's Creek Road Extension	Liberty Corner Enterprises Inc.

12/2/2015	Closed. Four checks to owners - see file.	6299	Sand Hill @ Russell/Davenport GSR	Elliott, et. al.
12/11/2015	Closed.	6341	Sweeten Creek Road @ Busbee View Road GSR	Montelongo
1/14/2016	Closed.	6352	Stratford Road @ Oxford Court GSR	Lewis
1/15/2016	Closed.	6266	Freno Drive PSR	Alexander
1/20/2016	Closed	6332	Sweeten Creek Road @ Busbee View Road GSR	Wingate
1/20/2016	Closed.	6264	Freno Drive PSR	Childress
2/5/2016	Closed	6343	Sweeten Creek Road @ Busbee View Road GSR	Ciaramita
2/10/2016	Closed.	6344	Bypass Pump Staging Areas	City of Asheville
2/12/2016	Closed.	6358	Stratford Road @ Oxford Court GSR	Gentry
2/15/2016	Closed. One check for both Pins.	6349	Stratford Road @ Oxford Court GSR	Bullman
2/15/2016	Closed. One check for both Pins.	6350	Stratford Road @ Oxford Court GSR	Bullman
2/16/2016	Closed.	6423	Oak Hill Village	The Salvation Army
2/22/2016	Closed.	6345	Stratford Road @ Oxford Court GSR	Owen
2/23/2016	Closed.	6265	Freno Drive PSR	Henson
2/25/2016	Closed.	6351	Stratford Road @ Oxford Court GSR	Arcos
3/4/2016	Closed.	6342	Sweeten Creek Road @ Busbee View Road GSR	Kim
3/11/2016	Closed.	6353	Stratford Road @ Oxford Court GSR	Ireland
3/16/2016	Closed.	6355	Stratford Road @ Oxford Court GSR	Lawson
3/21/2016	Closed	6363	Dry Ridge Road 4" Main	Weisenberger
3/21/2016	Closed.	6383	Mountain View Pump Station Generator Site	Buncombe County Board of Education
3/23/2016	Closed	6422	Metropolitan Sewerage District	Metropolitan Sewerage District
3/28/2016	Closed.	6346	Stratford Road @ Oxford Court GSR	Ledford
3/30/2016	Closed	6354	Stratford Road @ Oxford Court GSR	Wise
4/4/2016	Closed	6347	Stratford Road @ Oxford Court GSR	Biro
4/6/2016	Closed.	6356	Stratford Road @ Oxford Court GSR	Kassinger
4/8/2016	Closed	6348	Stratford Road @ Oxford Court GSR	Gilliland
4/22/2016	Closed.	6407	Venable Pump Station Elimination GSR	Ingles Markets Inc.
5/9/2016	Closed.	6380	Hendersonville Rd. @ Rosscraggon Drive Phase 2	Vizcaino
5/17/2016	Closed.	6379	Hendersonville Rd. @ Rosscraggon Drive Phase 2	McClellan
5/24/2016	Closed.	6361	Dry Ridge Road 4" Main	Etchen
6/7/2016	Closed	6412	Asheville Country Club GSR	Banchiere
6/10/2016	Closed	6413	Asheville Country Club GSR	Paredes
6/13/2016	Closed	6366	Hendersonville Rd. @ Rosscraggon Drive Phase 2	Old Dominion Freight Line Inc.
6/13/2016	Closed	6377	Hendersonville Rd. @ Rosscraggon Drive Phase 2	Deines

6/20/2016 Closed

6357

Stratford Road @ Oxford Court GSR

Apostolopoulos

Total Closings by Agent: 90

Grand Total Closings: 91

**Condemnation Statistics
CIP Completed Projects
July 1, 1991 - June 30, 2016**

Project	Total Easements Obtained	Condemnations	Settled Prior to Trial	Trials	Pending
14 Daniel Road	6				
25 Rosemary Road	1				
31 Homeway Road	2				
32 Coleman Avenue	1				
41 Walnut Lane	5				
165 Old County Home Road	5				
320 Old Haw Creek	5				
43 Hamburg Drive	1				
Allied Health @ AB Tech	2				
Alta Avenue PRP	1				
Anvil Knitwear	3				
Azalea Avenue PSR	3				
Bankstown Road MSP	10				
Beaverdam Creek Interceptor	38	1	1		
Beaverdam Creek North Fork	36				
Best Western Sewer Rehabilitation	1				
Biltmore Forest Rehabilitation	7				
Biltmore Forest/Ram Branch	20	1		1	
Black Mountain 4"	1				
Black Mountain Chevrolet	2				
Black Mountain Ingles @ I-40 Rehab.	1				
Black Mountain Rehabilitation	30				
Bradley Branch Rehabilitation	10				

**Condemnation Statistics
CIP Completed Projects
July 1, 1991 - June 30, 2016**

Project	Total Easements Obtained	Condemnations	Settled Prior to Trial	Trials	Pending
Broadway Avenue	6				
Broadway Avenue @ 5 Points	12				
Broadview Avenue GSR	17	1	1		
Brookcliff Drive PRP	6				
Brucemont Circle	3				
Brucemont Place Phase 2	32				
Bull Mountain Road Rehab.	2				
Campus Drive @ UNCA	1				
Canterbury Heights	1				
Carson Creek	4				
Central Avenue Rehabilitation	4				
Chatham Road Rehabilitation	1				
Charland Forest GSR	11				
COA 2005 Annexation Airport Road	5				
COA 2010 Annexation Rockwood Rd.	2				
Clingman Avenue Rehabilitation	11				
Columbia Bible College	1				
Craven Street Access	2				
Crockett Road PRP	3	1	1		
Cub Road	8				
Daniel Road SS Replacement	7				
Delano Road 4" Main	2				
Delaware Avenue	9				

**Condemnation Statistics
CIP Completed Projects
July 1, 1991 - June 30, 2016**

Project	Total Easements Obtained	Condemnations	Settled Prior to Trial	Trials	Pending
Dellwood Avenue GSR	2				
Depot Street @ Nasty Branch	2				
Depot Street Emergency Rehab.	2	1	1		
Dilling Avenue	1				
Dillingham Road 4" Main	1				
Dingle Creek @ Crowfields	3				
Dingle Creek Interceptor, Ph. 2	10	1			1
Druid Drive	4				
Dry Ridge Road 4" Main	3				
Dula MSR	2				
Dunwell Avenue	13				
Earl Capps Hollow	21				
East Euclid Parkway	3				
East Kenilworth Lake	11	4	4		
East Skyland Circle PSR	5				
Eastwood Avenue @ US 70	10				
Elk Mountain Road PSR	3				
Elk Park Drive PRP	14				
Emma Industrial Park	6				
Emma Road Sewer Replacement	2				
Emory Road Rehabilitation	1				
Erwin Hills Road @ Lee's Creek Road Ext.	5				
Evergreen Avenue	4	1	1		

**Condemnation Statistics
CIP Completed Projects
July 1, 1991 - June 30, 2016**

Project	Total Easements Obtained	Condemnations	Settled Prior to Trial	Trials	Pending
Fair Oaks Road PRP	7	1	1		
Fair Oaks Road @ Greene Road	10				
Fair Oaks SD Rehabilitation	5				
Fairfax Avenue	11	2	2		
Fairway Drive	2				
Forest Hill Drive #2 PRP	7	2	2		
Forest Ridge Road	2				
Four Inch Main-Oakland Dr. @ Pine St. GSR	4				
French Broad River Academy	1				
Freno Drive PSR	5				
Givens Estate	8				
Gladstone Road 4" Main	7				
Glen Bridge Road PRP	14				
Glen Bridge Road Rehabilitation	11	2	2		
Glenview Road Rehabilitation	9				
Grassy Branch Rehabilitation	37	9	9		
Greeley Street PSR	3				
Grindstaff Road	2				
Grove Park Inn Rehabilitation	1				
Harmony Lane Rehabilitation	3				
Harnett Street	2				
Harrison Hill	1				
Hendersonville Road @ Mills Gap Road	7				

**Condemnation Statistics
CIP Completed Projects
July 1, 1991 - June 30, 2016**

Project	Total Easements Obtained	Condemnations	Settled Prior to Trial	Trials	Pending
Heywood Road Rehabilitation	7	2	2		
Heywood Road Interceptor II	3				
Hickory Court SS Improvements	5				
Hi Alta Avenue	14	2	2		
Hilliard/Coxe Avenue	4				
Holiday Inn/Kinko	2				
Honey Drive	9				
Horizon Hill Road	2				
Howland Road Sewer Replacement	1				
Indiana Avenue	18				
Inglewood Road	9	1	1		
Johnston Boulevard	17				
Juvenile Evaluation Center	3				
Kanawha Drive	6				
Kensington Drive Relocation	3				
Kitazuma Road	1				
Lake Julian Interceptor	7	1	1		
Lake Julian Phase 3	1				
Lake Julian Phase 4	2				
Lake Julian Pump Station	3				
Lake Louise Interceptor	34				
Lahey Gap Rehabilitation	2				
Laurel Road Phase 2	8				

**Condemnation Statistics
CIP Completed Projects
July 1, 1991 - June 30, 2016**

Project	Total Easements Obtained	Condemnations	Settled Prior to Trial	Trials	Pending
Leicester hwy. Road Widening	5				
Lennox Street	8				
Liberty Street	17	2	2		
London Rd. Pilot Basin, 2b	43				
London Road AMP	12	2	2		
London Road Relocation	2				
Long Shoals Road	2				
Long Shoals Road PRP	16	3	3		
Lookout Road Rehabilitation	16	3	3		
Louisiana Ave. @ Bruceмонт GSR	2				
Lower Ross Creek Interceptor	29	8	8		
Lower Smith Mill Creek Int.	39	10	10		
Macon Ave. @ Sunset Parkway	4				
Mardell Circle	3				
Martel Lane @ Penley Avenue	1				
Meadow Lark Road	1				
Melody Circle GSR	25				
Merchant Street PRP	5				
Merrimon Avenue @ Ottari	4				
Merrimon Ave. @ Beaverdam Crk.	7				
Merrimon Ave. @ Reed Creek	41	5	5		
Merrimon Ave. @ Stratford	11	1	1		
Merrimon Avenue Rehabilitation	4				

**Condemnation Statistics
CIP Completed Projects
July 1, 1991 - June 30, 2016**

Project	Total Easements Obtained	Condemnations	Settled Prior to Trial	Trials	Pending
Merrimon Ave./I-240 Ramp	1				
Middle Beaverdam Creek Ph. 1	13				
Middle Beaverdam Creek Ph. 2	3				
Middlebrook AMP	8				
Midland Drive AMP	3				
MMA Medical Facility-Leicester Hwy.	2				
Monroe Place GSR	2				
Montford Ave. @ US 19/23	4				
Montreat Rehabilitation	33	1	1		
Moore Circle	7				
Morningside Drive	4				
Morris Street @ Talmadge	2				
Mosswood MHP	6				
Mountain Terrace 4" Main	4				
Mountain View Pump Station	1				
Mt. Vernon Place	8				
Nasty Branch Interceptor	4				
NCDOT @ Lowes	1				
Nesbitt Drive Rehabilitation	9				
New Haw Creek Rd. @ Trinity Chapel Road	2				
North Fork @ KOA Emergency	2				
North Griffing Blvd. PSR	9				
North Griffing Blvd. 4" Main	4				

**Condemnation Statistics
CIP Completed Projects
July 1, 1991 - June 30, 2016**

Project	Total Easements				
	Obtained	Condemnations	Settled Prior to Trial	Trials	Pending
North Swannanoa Phase I	62	2	1	1	
North Swannanoa Phase II, 1	50	11	11		
North Swannanoa Phase II, 2	71	6	5	1	
North Swannanoa Phase II, 3	89	12	12		
Northwood Road Rehabilitation	7				
Oak Hill Village	1				
Oaken Hill Place Rehabilitation	5				
Oakland Avenue Rehabilitation	3				
Old Haywood Road MSR	27	2	2		
Old Haywood Rd. @ Starnes Cove Rd.	11				
Old Home @ Weaverville Hwy.	16	1	1		
Old Home Road PSR	1				
Old US 70 @ Grovemont Ave.	24				
Old US 70 @ Pine Circle	5				
Patton Mountain PSR	14				
Patton Ave. @ Parkwood Road	7				
Penley Avenue PSR	4				
Pine Meadows Drive	1				
Pinehurst Road Rehabilitation	6				
Pisgah View Rehabilitation	20	1	1		
Pressley Branch Rehabilitation	5				
Ragsdale Creek Repair Project	1				
Rash Road	4				

**Condemnation Statistics
CIP Completed Projects
July 1, 1991 - June 30, 2016**

Project	Total Easements Obtained	Condemnations	Settled Prior to Trial	Trials	Pending
Reems Creek @ Balcrank	12				
Reems Creek Interceptor	19	1	1		
Reems Creek Master Plan	10				
Rice Branch Road	2				
Riceville Road Rehabilitation	5				
Riverside Cemetary	1				
Riverside/Westover Rehabilitation	1	1	1		
Riverside/Westover Drive	2	2	2		
Roberts Street Rehabilitation	3				
Roberts Street @ Haywood Road	1				
Rockdale Avenue PRP	10				
Roebing Circle Rehabilitation	1				
Roger's Place Rehabilitation	2				
Rollingwood Road PSR	6				
Russell Avenue Rehabilitation	3				
Ruth Street Rehabilitation	1				
Sand Hill @ Russell/Davenport	27				
Sevier Street Rehabilitation	14				
Shadowlawn Drive Phase 1	28				
Shadowlawn Drive Phase 2	18				
Shelburne Road Rehabilitation	20				
Sherwood Heights Rehabilitation	1				
Shiloh Road GSR	4				

**Condemnation Statistics
CIP Completed Projects
July 1, 1991 - June 30, 2016**

Project	Total Easements Obtained	Condemnations	Settled Prior to Trial	Trials	Pending
Shiloh Road MSR	14				
Short Coxe @ Southside	8	5	5		
Skyland Circle 4" Main	4				
Smith Mill Creek AMP	19				
South Asheville Cinema	1				
State Street MSR	2				
Stoner Avenue	15				
Stratford Road @ Oxford Court	14				
Sulphur Springs Creek Rehabilitation	24	3	2	1	
Sunset Drive @ Bee Tree Road	7				
Sunset Drive @ Old Toll Road	1				
Swannanoa River Road	19				
Sweeten Creek @ Busbee View Road	4				
Sweeten Creek @ Rock Hill Road	29				
Sweeten Creek Industrial Park	3				
Sweeten Creek MSR	5				
Sweeten Creek/Wilson Creek	63	1		1	
Swindale Street PSR	5	1	1		
Sycamore Terrace PRP	2				
Tacoma Circle SSR	1				
Talmadge Street Rehabilitation	10				
Thompson Street No. 127	1				
Tomahawk Basin Phase III	31				

**Condemnation Statistics
CIP Completed Projects
July 1, 1991 - June 30, 2016**

Project	Total Easements				
	Obtained	Condemnations	Settled Prior to Trial	Trials	Pending
Tomahawk Branch	16	1	1		
Town Mountain Road 4" Main	3	1		1	
Trinity Chapel Road	4				
Trotter Place to Middlemont AMP	9	1	1		
Upper Ross Creek Rehabilitation	20				
US 70 @ Neil Price Ave. GSR	9				
US 70 @ Neil Price Ave. Phase 2	3				
US 70 @ Parkway GSR	3				
US 74	20	5	5		
VA Hospital	1				
Venable Pump Station Elimination	1				
View Street Rehabilitation	3				
Vine Street	2				
Volvo Construction Equipment	1				
Walker Street Rehabilitation	1				
Waters Road Rehabilitation	10	1	1		
Weaverville Hwy. @ Hillcrest	4	1	1		
Weaverville Main Street Rehabilitation	8				
Weaverville Rehabilitation	68	1	1		
Webster Street PSR	1				
Wendover Road GSR	6				
West French Broad Interceptor	5	1			1

**Condemnation Statistics
CIP Completed Projects
July 1, 1991 - June 30, 2016**

Project	Total Easements Obtained	Condemnations	Settled Prior to Trial	Trials	Pending
Wilmington Street MSR	9				
Willowbrook Road	1				
Winding Road PSR	3				
Woodland Road MSR	4				
Total	2340	129	121	6	2

Per Total Easements:

Non Litigious: 94.5% (2211)

Condemnations: 5.5% (129)

Per Total Condemnations Filed:

Settlements: 93.8% (121)

Trials: 4.7% (6)

Pending: 1.5% (2)

Planning & Development Project Status Report

Active Construction Projects

September 9, 2016

#	Project Name	Project Number	Work Location	Zip Code	Units	LF	Pre-Construction Conference Date	Comments
1	Governor's Western Residence	2014100	Buncombe Co.	28804	Comm.	636	7/22/2015	Awaiting Easement Plat/Conveyance of Sewer System
2	Greenwood Park Phase 1	2014067	Weaverville	28787	7	283	9/1/2015	Final Inspection complete, awaiting close-out docs
3	Rivermill Lofts Relocation	2014125	Asheville	28803	254	314	8/21/2015	Waiting on final inspection
4	Givens Gerber Park	2014065	Buncombe Co.	28803	260	357	8/7/2015	Waiting on final inspection
5	Conestee	2014149	Asheville	28801	7	113	8/7/2015	Waiting on final inspection
6	Hunt Hill Apartments	2013111	Asheville	28801	180	1,729	3/5/2014	Waiting on final inspection
7	Rosebriar	2007005	Black Mountain	28711	12	309	8/28/2014	Waiting on final inspection
8	Dilworth Apartments	2015001	Asheville	28806	168	950	8/3/2015	Waiting on final inspection
9	Isaac Dickson School Relocation	2013033	Asheville	28801	School	504	1/13/2014	Waiting on final inspection
10	Gibson Road (aka Four Seasons)	2014138	Asheville	28804	3	137	9/11/2015	Awaiting Conveyance of Sewer System
11	Roberts Farm Phase 1B	2015056	Black Mountain	28711	250	1,165	7/29/2015	Final Inspection complete, awaiting close-out docs
12	First Baptist Relocation	2015032	Asheville	28801	Comm.	333	7/21/2015	Final Inspection complete, awaiting close-out docs
13	Biltmore Lake Block 1, Phase 2	2016042	Buncombe Co.	28803	26	1,297	8/5/2016	Testing
14	Creekside Cottages	2014095	Buncombe Co.	28704	7	504	3/12/2015	Final Inspection complete, awaiting close-out docs
15	Greenwood Fileds Phase 1	2015204	Buncombe Co.	28804	158	2,830	6/16/2016	Pre-con held, ready for construction
16	Creekside Village Phase 2	2014088	Weaverville	28787	145	2,051	8/7/2015	Final Inspection complete, awaiting close-out docs
17	Beale Road Subdivision (Habitat)	2015200	Asheville	28704	21	730	4/5/2016	Waiting on final inspection
18	Dillingham Woods	2014048	Asheville	28805	27	375	3/4/2015	Waiting on final inspection
19	Shelburne Road	2014126	Asheville	28806	9	418	4/5/2016	Pre-con held, ready for construction
20	Ramble Block "E"	2015030	Buncombe Co.	28803	22	1,357	7/29/2015	Awaiting Conveyance of Sewer System
21	Monticello Apartments	2015124	Weaverville	28787	168	1,484	6/14/2016	Private on-site system complete, Public not started
22	Asheville Middle School	2013125	Asheville	28801	School	214	9/30/2014	Awaiting Conveyance of Sewer System
23	Robinhood Relocation	2013107	Asheville	28804	5	230	7/23/2015	Awaiting Conveyance of Sewer System
24	Crest Mountain Phase 3B	2013041	Woodfin	28806	69	1,329	10/15/2013	Waiting on final inspection
25	Hyde Park Phase 2	2013058	Buncombe Co.	28704	14	500	12/3/2013	Testing
26	Serenity Falls Subdivision	2015055	Woodfin	28804	45	2,583	9/18/2015	Testing
27	Amboy Overlook - Phase 1	2014136	Asheville	28806	19	899	10/20/2015	Final Inspection complete, awaiting close-out docs
28	Bowen Estates	2015064	Asheville	28803	4	178	10/13/2015	Punchlist pending, awaiting closeout documents
29	Craggy Park	2014164	Asheville	28806	45	1,935	10/23/2015	Phase 1 Tested
30	Pinnacle at Arabella Heights	2006277	Buncombe Co.	28704	28	482	11/10/2015	Testing
31	Settings at Black Mountain	2008016	Black Mountain	28711	30	907	11/13/2015	Testing
32	Cottages at Kenilworth	2015107	Asheville	28805	12	454	12/1/2015	Testing
33	A.B. Tech Fernhurst Relocation	2014061	Asheville	28801	Comm.	697	4/8/2014	Awaiting Conveyance of Sewer System
34	Springside Road Townhomes	2015006	Asheville	28803	3	120	12/15/2015	Waiting on final inspection
35	Vance Place	2014084	Asheville	28801	8	398	1/29/2016	Waiting on final inspection
36	The District	2015133	Asheville	28803	309	912	2/26/2016	Installing
37	Asheville Exchange	2015170	Asheville	28806	312	582	2/26/2016	Waiting on final inspection
38	Cheshire Pocket Village	2015129	Black Mountain	28711	15	370	2/26/2016	Waiting on final inspection
39	Hall Avenue	2015035	Asheville	28806	8	329	3/4/2016	Waiting on final inspection
40	Maple Trace Subdivision	2014121	Weaverville	28787	31	2,420	1/29/2016	Installing
41	McKinley Avenue (Habitat)	2015180	Asheville	28803	10	237	4/22/2016	Waiting on final inspection
42	Reese & Jan Lasher (High Hopes)	2015152	Woodfin	28806	14	320	4/26/2016	Punchlist pending, awaiting closeout documents
43	Fairfield Inn & Suites - Tunnel Road	2015203	Asheville	28805	Comm.	350	4/29/2016	Waiting on final inspection
44	500 Fairview Road Subdivision	2016049	Asheville	28803	10	220	5/6/2016	Punchlist pending, awaiting closeout documents
45	Ball Gap Road	2015186	Buncombe Co.	28704	14	947	5/31/2016	Installing
46	Woodcrest at Biltmore Terrace Ph. 2	2015063	Buncombe Co.	28803	8	210	5/27/2016	Waiting on final inspection
47	Greymont Apartments	2015108	Buncombe Co.	28806	312	3,193	5/17/2016	Installing
48	Newbridge Parkway Apartments	2016013	Buncombe Co.	28804	308	1,575	9/2/2016	Pre-con held, ready for construction
49	Ascot Point Apartments Phase 3	2015114	Asheville	28803	104	213	9/9/2016	Pre-con held, ready for construction
50	Mallard Run Phase II	2015090	Buncombe Co.	28704	37	1,217	10/13/2015	Final Inspection complete, awaiting close-out docs
TOTAL					3,498	41,897		

CAPITAL IMPROVEMENT PROGRAM

STATUS REPORT SUMMARY

September 14, 2016

PROJECT	LOCATION OF PROJECT	CONTRACTOR	AWARD DATE	NOTICE TO PROCEED	ESTIMATED COMPLETION DATE	*CONTRACT AMOUNT	*COMPLETION STATUS (WORK)	COMMENTS
ARCO ROAD	East Asheville 28805	Terry Brothers Construction Company	8/17/2016	8/23/2016	1/20/2017	\$418,245.00	20%	Mainline complete up to Manhole #8. Project going well.
BYPASS PUMP STAGING AREAS	Woodfin 28804 and Asheville 28806	NHM Constructors, LLC	3/16/2016	4/11/2016	10/31/2016	\$307,455.72	70%	Drive between basins 2 and 3 are complete. Pump slab in place and work has begun on retaining wall.
DELLWOOD AVENUE	Swannanoa 28778	Terry Brothers Construction Company	7/20/2016	7/25/2016	9/23/2016	\$63,692.00	100%	Project is complete and in close out.
HENDERSONVILLE ROAD @ MILLS GAP ROAD	Asheville 28803	Terry Brothers Construction Company	3/16/2016	4/13/2016	10/1/2016	\$723,535.00	95%	Final milling and paving being scheduled.
MTN. VIEW PUMP STATION GENERATOR SITE	Arden 28704	Haynes Electric Construction Company	6/15/2016	7/5/2016	9/26/2016	\$166,544.90	100%	Project complete and in close out.
NEW HAW CREEK @ TRINITY CHAPEL ROAD	East Asheville 28805	Terry Brothers Construction Company	8/17/2016	8/23/2016	1/20/2017	\$181,364.00	40%	Mainline complete up to New Haw Creek Road.
POINT REPAIR CONTRACT NO. 1	Various	Patton Construction Group	8/17/2016	9/12/2016	6/30/2017	\$164,710.00	0%	Preconstruction meeting was held on 9/12/16. No work has begun yet.
SHADOWLAWN DRIVE PHASE 2	Asheville 28806	Davis Grading, Inc.	1/20/2016	3/14/2016	9/30/2016	\$439,065.50	98%	Final inspection on 8/30/16. Working on punchlist.
VENABLE PUMP STATION ELIMINATION	Asheville 28806	Buckeye Bridge, LLC	4/20/2016	5/9/2016	9/15/2016	\$314,639.20	100%	Project complete; awaiting final walk through.
WRF - INCINERATOR SYSTEM REHABILITATION AND EMISSIONS UPGRADES	Woodfin 28804	Haren Construction Company	2/18/2015	3/25/2015	9/16/2016	\$5,091,740.23	99%	Final welding inspection and project close out in process.

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