

BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
July 18, 2018

1. Call to Order and Roll Call:

The regular monthly meeting of the Metropolitan Sewerage District Board was held in the Boardroom of MSD's Administration building at 2:00 pm Wednesday, July 18, 2018. Chairman VeHaun presided with the following members present: Ashley, Bryson, Holland, Kelly, Pelly, Pressley, Root, Watts and Wisler. Frost and Manheimer were absent.

Others present were: Thomas E. Hartye, PE, General Manager; William Clarke, General Counsel; Alex Paschal with Roberts & Stevens; Forest Westall with McGill Associates; Joseph Martin with Woodfin Sanitary Water and Sewer District; Ed Bradford, Hunter Carson, Angel Banks, Wesley Banner, Ken Stines, Cheryl Rice, Kevin Johnson, Peter Weed, Mike Stamey, Jim Hemphill and Pam Nolan, MSD.

2. Election of Officers:

Mr. VeHaun called for nominations for Chairman of the MSD Board. Mr. Watts nominated Mr. VeHaun as Chairman. Mr. Root seconded the nomination. With no further nominations Mr. VeHaun called for a motion that nominations be closed and that, by acclamation, Mr. VeHaun be elected as Chairman of the MSD Board for 2018-2019. Mr. Pelly made the motion. Mr. Kelly seconded the motion. Voice vote in favor of the motion was unanimous.

Mr. VeHaun called for nominations for Vice Chairman of the MSD Board. Ms. Bryson nominated Mr. Kelly. Mr. Pelly seconded the nomination. Mr. VeHaun called for further nominations. With no further nominations, Mr. VeHaun called for a motion that nominations be closed and that, by acclamation, Mr. Kelly be elected as Vice Chairman of the MSD Board for 2018-2019. Ms. Wisler made the motion. Mr. Holland seconded the motion. Voice vote in favor of the motion was unanimous.

Mr. VeHaun appointed Ms. Bryson as Secretary/Treasurer of the MSD Board for 2018-2019. Mr. Watts moved to approve the appointment of Ms. Bryson. Mr. Pelly seconded the motion. Voice vote in favor of the appointment was unanimous.

3. Inquiry as to Conflict of Interest:

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

4. Approval of Minutes of the June 13, 2018 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the June 13, 2018 Board Meeting. Mr. Watts moved for approval of the minutes as presented. Mr. Pressley seconded the motion. Voice vote in favor of the motion was unanimous.

5. Discussion and Adjustment of Agenda:

None.

6. Informal Discussion and Public Comment:

Mr. VeHaun welcomed Alex Paschal with Roberts & Stevens and Joe Martin with Woodfin Sanitary Water and Sewer District. There was no public comment.

7. Report of General Manager:

Mr. Hartye reported that Byrdene Byerly of 8 Nebraska Street called to let MSD know how happy she was with the work that Roy Lytle's crew did. Thanks to Roy Lytle, Jamie Foxx, Shane Meadows, Nicholas Hercules and Marvin Felder.

Mr. Hartye reported that the homeowner from 206 N. Main Street in Weaverville called to commend Grady Brooks for his quick response.

Mr. Hartye reported that Sam Hollifield of 133 Norwood called to commend Gilbert Karn and Angela Lewis stating that they were very polite and professional.

Mr. Hartye reported that the Planning Committee will meet on August 15th prior to the regular Board Meeting. Items to be discussed include potential future development hot spot areas that currently lack sewer service and how MSD partners with others for expansion of the sewer system. There will also be a discussion on possibly reinstating a shared revenue policy for unsewered areas that was initiated in response to a situation in the City of Asheville several years back that has rearisen. That policy had a 3 year horizon on it and is currently not available.

The next Right of Way Committee meeting will be held on July 25th at 9 am. The next regular Board Meeting will be held on August 15th at 2 pm.

8. Report of Committees:

a. Personnel Committee – July 18, 2018

Ms. Bryson reported that the Personnel Committee met on this day at 1:00 pm to consider the evaluation of the General Manager. The Committee recommends the Board approve increasing Mr. Hartye's vacation days from 25 per year to 28 per year, approve salary increase of 3.0% and renew his contract for another 4 year term. Mr. Clarke noted that the 3.0% will increase Mr. Hartye's current salary to \$196,690.00 per year. All other terms and conditions of the contract will remain the same. Mr. VeHaun called for a motion to approve the recommendation of the Personnel Committee. Mr. Watts made the motion. Mr. Ashley seconded the motion. Roll call vote was as follows: 10 Ayes; 0 Nays.

9. Consolidated Motion Agenda:

a. Consideration of Bids – Hill Street Sanitary Sewer Rehabilitation Project:

Mr. Hartye reported that this project is located in the Montford area, adjacent to I-240. The project consists of about 2,088 LF of 8-inch DIP to replace the old clay line. The project was advertised and two bids were received on June 28, 2018. The project was therefore re-advertised and two bids were again received on July 6, 2018 as follows: Thomas Construction Company in the amount of \$992,047.00 and Terry Brothers Construction Company in the amount of \$649,029.00. The apparent low bidder is Terry Brothers Construction Company with a bid amount of \$649,029.00. The FY 17-18 Construction Budget for this project is \$685,000.00. Staff recommends award of this contract to Terry Brothers Construction Company in the amount of \$649,029.00, subject to review and approval by District Counsel.

b. Consideration of Developer Constructed Sewer Systems: Ascot Point Ph. 3; Lakeshore Drive; Ardmion Homes; Biltmore Lake Block 1, Ph. 3; Greymont Village; 88 Southside Avenue; Central Avenue; Liberty Oaks Ph. 1A; Kennesaw Street; Maple Trace, Phase 3:

Mr. Hartye reported that The Ascot Point Phase 3 project is located off Hendersonville Road and included extending approximately 213 linear feet of 8-inch public gravity sewer to serve the 104 unit multi-family residential development.

Mr. Hartye reported that the Lakeshore Drive project is located in the Town of Weaverville and included extending approximately 70 linear feet of 8-inch public gravity sewer to serve the 4 unit single family residential development.

Mr. Hartye reported that the Ardmion Homes project is located off in the City of Asheville and included extending approximately 213 linear feet of 8-inch public gravity sewer to serve the 5 unit single family residential development.

Mr. Hartye reported that the Biltmore Lake Block 1 Phase 3 project is located off of Reeves Cove Road and included extending approximately 1,830 linear feet of 8-inch public gravity sewer to serve 23 units for this phase of the single family residential development.

Mr. Hartye reported that the Greymont Village project is located off Sardis Road and included extending approximately 3,181 linear feet of 8-inch public gravity sewer to serve the 356 unit apartment complex.

Mr. Hartye reported that the 88 Southside Avenue project is located at Short Coxe and Southside Avenues in the City of Asheville and included extending approximately 293 linear feet of 8-inch public gravity sewer to serve the 18 unit single family townhome residential development.

Mr. Hartye reported that the Central Avenue project is located off Hemlock Drive in the City of Asheville and included extending approximately 303 linear feet of 8-inch public gravity sewer to serve the 6 unit single family residential development.

Mr. Hartye reported that the Liberty Oaks Phase 1A project is located off Smokey Park Highway and included extending approximately 1,095 linear feet of 8-inch public gravity sewer to serve the 38 units for this phase of the single family residential development.

Mr. Hartye reported that the Kennesaw Street project is located at Cedar and Kennesaw Street in the City of Asheville and included extending approximately 191 linear feet of 8-inch public gravity sewer along with abandoning approximately 150 linear feet of public gravity sewer to accommodate the 5 unit single family residential development.

Mr. Hartye reported that the Maple Street Phase 3 project is located off Reems Creek Road in Buncombe County and included extending approximately 1,262 linear feet of 8-inch public gravity sewer to serve the 24 units for this phase of the single family residential development.

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

c. Consideration of Cost Participation: Beacham's Curve Development:

Mr. Hartye reported that this project is located on Beacham's Curve in West Asheville. There are existing public sewer lines running through the property. The existing pipe is 6-inch clay with multiple sags. Mr. Hartye presented a map of the location and explained that this project was going to be a future CIP to be replaced a few years out. Realignment of the existing line would have involved placing a new line in Haywood Road which would have been very deep and costly. Since there is a developer, Big Jake Enterprises, developing in the area, the District has decided to partner with them. The District uses a formula that takes into account the age of the pipe, infiltration and inflow and the amount of flow the developer is going to contribute vs. the amount the line can serve. This gives a percentage by which the District will participate in the extension. There were several options discussed and Big Jake Enterprises chose the second option with a cost estimate of \$230,906.43. At a 60% participation level, MSD's share is \$138,600.00. Staff recommends the District approve a reimbursement of \$138,600.00 to Big Jake Enterprises LLC, contingent upon full completion of the sewer rehabilitation portion of their project. No payment shall be issued until the sewer is installed to MSD Standards and Specifications, all final paperwork is received including easement conveyance and the system is fully accepted by the District Board.

d. Cash Commitment/Investment Report Month ended May, 2018:

Mr. Hartye reported that Page 41 shows the makeup of the District's Investment Portfolio as of May 31st with a total of \$79,268,924.00. After taking into consideration our budgeted commitments to the end of FY 18 the estimated remaining carryover for Capital Outlay is \$55,316,875. Page 42 and 43 is the MSD's Investment Manager's report. The weighted average maturity of the investment portfolio is 135 days. The yield to maturity is 1.90%. Page 44 shows Cash Receipts as of May 31st. Monthly and year to date trends are normal for revenues from both domestic and industrial customers, save for the temporary increased revenue from one industrial user that is in the process of finishing it's pretreatment system. Facility and tap revenue is up from new development activity. Page 45 shows monthly and YTD expenditures, which are reasonable based upon historic trends. Page 46 shows MSD's variable Debt Service report. This series is still performing better than projected and has saved the District approximately \$5.5 million since April, 2008. Mr. Hartye reported that there is a list of principal commercial and industrial users available on the ipads. Milkco, Inc. is the top user at this point with revenue at about 1.74%. New Belgium's total charges for last year were \$571,373.00, or 1.61% which will go down significantly. This is the "temporary increased revenue" user that Scott Powell refers to. They are building their pre-treatment system and are almost done. That revenue will go down significantly once they start pre-treating, probably in the range of Sierra Nevada's at \$246,120.00 or less. Mission Health System, Jacob Holm Industries and Duke Progress are also on this list. If you add them all up the industrial component adds up to approximately 8.89% of the total revenue. In 1996 the industrial component was at approximately 20% due to textiles and the Gerber Plant, so the dynamics have changed quite a bit over the years.

With no further discussion, Mr. VeHaun called for a motion to approve the Consolidated Motion Agenda. Mr. Pelly moved. Mr. Watts seconded the motion. Roll call vote was as follows: 10 ayes; 0 Nays.

9. Old Business:

At 2:26 pm, Mr. VeHaun called for a motion to go into closed session to discuss a possible settlement in the condemnation of MSD vs. Pearlman, Buncombe County Superior Court, 18 CVS 180. Mr. Watts made the motion. Ms. Bryson seconded the motion. Voice vote in favor of the motion was unanimous. Mr. Hartye, Ms. Banks, Mr. Bradford, Mr. Banner, Mr. Stamey and Ms. Nolan were also present for the discussion.

Ms. Banks explained that this parcel is located at 28 Elk Mountain Scenic Highway and is part of the Asheville Country Club project. This is a 3.26 acre parcel and MSD has taken .193 acres of permanent easement and .288 acres of temporary easement. She presented pictures of the parcel before construction and after, and explained that the house sits in the middle of the parcel. Owner's concern was loss of trees and privacy. The majority of the buffer area in question

was covered with weeds and scrub trees. There were several cherry trees lost during construction and a 32" sycamore at the lower end of the parcel. MSD's original compensation amount offered to the owner was \$11,768.00. This amount was deposited with the Clerk of Court at the time of filing the condemnation. Owner requested \$147,775.00, citing his loss of trees and buffer area. During the mediation discussions on July 10, 2018, MSD was at \$50,000.00 and owner was at \$115,000.00. After much discussion, MSD and owner came to an agreement of \$75,000.00. Mr. Clarke stated that he would recommend settling for the amount of \$75,000.00, inclusive of the \$11,768.00 previously deposited. There were no questions. Mr. Pelly made the motion to recommend to the Board to settle the pending condemnation against Pearlman in the amount of \$75,000.00. Mr. Watts seconded. Voice vote was unanimous.

At 2:40 pm, the Board went back into open session.

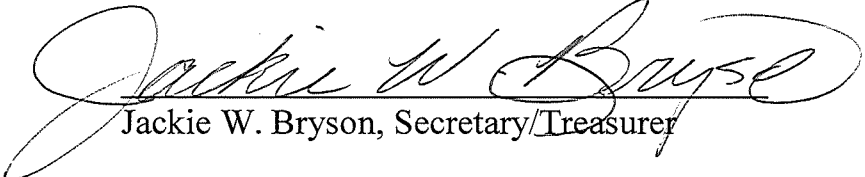
Mr. Pelly made the motion to settle the pending condemnation against Pearlman in the amount of \$75,000.00. Mr. Watts seconded the motion. Roll call vote was as follows: 10 ayes; 0 Nays.

10. New Business:

None

11. Adjournment:

With no further business, Mr. VeHaun called for adjournment at 2:42 pm.


Jackie W. Bryson, Secretary/Treasurer

MSD

Regular Board Meeting

Metropolitan Sewerage District
of Buncombe County, NC

AGENDA FOR 7/18/18

✓	Agenda Item	Presenter	Time	
	Call to Order and Roll Call	VeHaun	2:00	
	01. Election of Officers	VeHaun	2:05	
	02. Inquiry as to Conflict of Interest	VeHaun	2:10	
	03. Approval of Minutes of the June 13, 2018 Board Meeting	VeHaun	2:15	
	04. Discussion and Adjustment of Agenda	VeHaun	2:20	
	05. Informal Discussion and Public Comment	VeHaun	2:25	
	06. Report of General Manager	Hartye	2:30	
	07. Report of Committees	VeHaun	2:40	
	a. Personnel Committee – July 18, 2018	Bryson		
	08. Consolidated Motion Agenda	Hartye	2:45	
	a. Consideration of Bids – Hill Street Sewer Rehabilitation Project	Hartye		
	b. Consideration of Developer Constructed Sewer Systems – Ascot Point Ph. 3; Lakeshore Drive; Ardmion Homes; Biltmore Lake Block 1, Ph. 3; Greymont Village; 88 Southside Avenue; Central Avenue; Liberty Oaks Ph. 1A; Kennesaw Street; Maple Trace Phase 3			
	c. Consideration of Cost Participation: Beacham’s Curve Development	Hartye		
	d. Cash Commitment Investment Report-Month ended May, 2018	Powell		
	09. Old Business:	VeHaun	3:00	
	10. New Business:	VeHaun	3:10	
	11. Adjournment: (Next Meeting 8/15/18)	VeHaun	3:15	
	STATUS REPORTS			

BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
June 13, 2018

1. Call to Order and Roll Call:

The regular monthly meeting of the Metropolitan Sewerage District Board and Public Hearing on the Budget for FY 2018-2019 was held in the Boardroom of MSD's Administration building at 2:00 pm Wednesday, June 13, 2018. Chairman VeHaun presided with the following members present: Ashley, Bryson, Kelly, Pelly, Root, Watts and Wisler. Frost, Holland, Manheimer and Pressley were absent.

Others present were: Thomas E. Hartye, PE, General Manager; Jackie Grant for William Clarke, General Counsel; Forest Westall with McGill Associates; Patty Beaver with CIBO; Ed Bradford, Jim Hemphill, Scott Powell, Peter Weed, Hunter Carson, Mike Stamey, Julie Willingham, Matthew Walter, Angel Banks, Spencer Nay 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 May 16, 2018 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the May 16, 2018 Board Meeting. Mr. Watts 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 Patty Beaver with CIBO. There was no public comment.

6. Report of General Manager:

Mr. Hartye reported that MSD has received the Platinum Peak Performance Award from NACWA for 6 consecutive years of 100% compliance. Congratulations and thanks to the entire Treatment Plant Staff under the leadership of Peter Weed.

Mr. Hartye reported that attached is an e-mail account of appreciation expressed by Pete Santora of Asheville. Thanks to Wayne Rice and the Planning and Development Section.

Mr. Hartye reported that the Final Budget and a Public Hearing will be held today at this meeting. There have been no changes to the Preliminary Budget that was brought to the May Board Meeting.

Mr. Hartye reported that the Planning Committee Meeting scheduled for today has been cancelled and will be rescheduled at a later date. The next regular Board Meeting will be held on July 18th at 2 pm. The next Right of Way Committee Meeting will be held on July 25th at 9 am.

7. Consolidated Motion Agenda:

a. Consideration of Bids – Memory Lane Sewer Rehabilitation Project:

Mr. Hartye reported that this project is located in East Asheville and consists of approximately 1,908 LF of 8-inch DIP using Dig and Replace. It was advertised and three bids were received on May 31, 2018 as follows: North American Pipe Management in the amount of \$853,595.00; Fuller and Co. Construction LLC in the amount of \$692,402.30 and Terry Brothers Construction Co. in the amount of 626,774.80. The apparent low bidder is Terry Brothers Construction Co. with a bid amount of \$626,774.80. The FY 18-19 Construction Budget for this project is \$755,000.00. Staff recommends award of this contract to Terry Brothers Construction Co. in the amount of \$626,774.80, subject to review and approval by District Counsel.

b. Consideration of Sole Source Specification for Plant High Rate Primary Treatment Project – Schwing Piston Pumps:

Mr. Hartye reported that this is the next significant plant project recommended by the Facility Plan. Design is being finished up and it is expected to go out for bids in July. This project will add a new Chemically Enhanced Primary Treatment facility which will significantly improve the plant's treatment process. Part of this project is to upgrade how the sludge is processed at the incinerator. The existing sludge pumps are manufactured by Schwing and have been in service for many years. The District's engineer for this project, CDM Smith, considered alternate vendors but believes Schwing pumps offer the best value to the District. Due to the unique and critical nature of this equipment, and based on proven performance from this manufacturer, staff requests a sole-source specification to ensure this process continues to function reliably as intended. The cost of this equipment is approximately \$1,049,500.00 which will be included as a fixed bid price in the competitively-bid construction contract. Staff recommends that the District include a sole-source specification for two Schwing Bioset Pump Systems in the competitively-bid construction contract for the Plant High Rate Primary Treatment Project based on the fact that performance competition is not available among other equipment suppliers.

c. Consideration of Developer Constructed Sewer Systems: Creekside Village Phases 3, 4 & 5; 340 Emma Road:

Mr. Hartye reported that the Creekside Village Phases 3, 4 & 5 project is located off of Aiken Road in the Town of Weaverville and included extending approximately 1,631 linear feet of 8-inch public gravity sewer to serve the 45 units for these phases of the single family residential development.

Mr. Hartye reported that the 340 Emma Road project is located in the City of Asheville and included extending approximately 140 linear feet of 8-inch public gravity sewer to serve the 8 unit single family residential development.

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

d. Consideration of MSD Paving Agreement with the City of Asheville:

Mr. Hartye reported that this item is brought to the Board each year and is for small asphalt and concrete patching restoration, 300 SF or less, of public roads and sidewalks within the City of Asheville. This restoration is a result of District in-house maintenance and rehabilitation activities on the sewer system. This is an annually renewing agreement and was originally approved by the MSD Board on June 12, 2013. For FY18-19, the District's monetary contribution for this agreement is \$440,000.00. This is based on usage from this past year of approximately 20,000 SF.

e. Consideration of Non-City of Asheville Road ROW Paving Restoration Contract:

Mr. Hartye reported that this annual contract is for the restoration of roads, driveways and sidewalks resulting from District maintenance activities for areas outside of City limits. These activities are both planned (new connections or small repairs) and unplanned emergency repairs. The FY18-19 contract was advertised with five contractors being contacted directly. One informal bid was received on May 24, 2018 from French Broad Paving, Inc. in the amount of \$418,217.50. French Broad Paving Inc. has performed previous paving projects for the District and they have an excellent performance history. The System Services CIP Construction budget includes appropriate funding for this item. Staff recommends award of this contract to French Broad Paving, Inc. in the amount of \$418,217.50, subject to review and approval by District Counsel.

f. Consideration of Bids – Sodium Hypochlorite Contract FY 19:

Mr. Hartye reported that the treatment plant is required to disinfect effluent prior to discharge to the French Broad River. Liquid sodium hypochlorite is used for this purpose. Current contracted cost for Sodium Hypochlorite is \$0.60/gallon. Bids were emailed to five vendors and an advertisement placed on the MSD web site on May 3, 2018. Four bids were received and the bid opening was held on May 23, 2018. Oltrin was the lowest bidder at \$0.66/gallon. They have been a supplier of Sodium Hypochlorite to MSD in previous years and MSD feels comfortable with both the quality of chemicals and customer service. This item was included in the Budget. Based on historical use, FY19 expenditures for Sodium Hypochlorite are anticipated to be \$132,000.00. Staff recommends that the Board award the contract for the supply of Sodium Hypochlorite to Oltrin at a unit price of \$0.66 per gallon.

g. Consideration of Bids – Calcium Nitrate Solution for Odor & Hydrogen Sulfide Control Contract FY 19:

Mr. Hartye reported that MSD has been using a calcium nitrate based solution for the last few years to control hydrogen sulfide formation in the South French Broad Interceptor. Current contracted cost for calcium nitrate is \$1.99/gallon. Bids were emailed to vendors and an advertisement placed on the MSD web site. Two bids were received on May 23, 2018. Evoqua was the apparent low bidder at \$1.99/gallon and agrees to hold their price firm for the total year contract irrespective of market changes. Evoqua has been a supplier of calcium nitrate solution to MSD in previous years and staff is comfortable with both the quality of the chemicals and customer service provided by them. Based on an estimated use of 70,000 gallons at \$1.99 per gallon, the annual expenditure is anticipated to be \$139,300.00 and is within levels budgeted by the WRF. Staff recommends that the Board award the contract for the supply of calcium nitrate solution to Evoqua at a unit price of \$1.99 per gallon.

h. Cash Commitment Investment Report – Month ended April, 2018:

Mr. Powell reported that Page 41 presents the makeup of the District's Investment Portfolio. The makeup of the portfolio is substantially the same as compared to last month. Page 42 presents the MSD investment managers report for the month of April. The weighted average maturity of the investment portfolio is 133 days. The yield to maturity is 1.76% and is exceeding the benchmarks of 6 month T-Bill and NCCMT cash portfolio. Page 43 presents the District's analysis of cash receipts. Monthly and YTD Domestic and Industrial sewer revenue are considered reasonable based on timing of cash receipts in their respective fiscal periods. YTD Industrial sewer revenue is above historical trends due to a temporary increase in revenue from one industrial user. YTD facility and tap fees are above historical trends due to the timing of 3 cash receipts from developers as well as these fees being budgeted conservatively. Page 44 presents the District's analysis of expenditures. Monthly and YTD O&M expenditures are considered reasonable based on historical trends. Due to the nature of the variable rate bond market, monthly and YTD expenditures can vary year to year. Based on the current variable interest rates, debt service expenditures are considered reasonable. Due to the nature and timing of capital projects, YTD expenditures can vary year to year. Based on the current outstanding capital projects, YTD capital project expenditures are considered reasonable. Page 45 presents MSD's Variable Debt Service report. The 2008A Series refunding bonds are performing better than budgeted expectations. As of the end of May, this issue has saved the District rate payers approximately \$5.4 million in debt service since April, 2008.

With no further discussion, Mr. VeHaun called for a motion to approve the Consolidated Motion Agenda. Mr. Watts moved. Mr. Pelly seconded the motion. Roll call vote was as follows: 8 ayes; 0 Nays.

8. Public Hearing: Consideration of Resolution Adopting the Final Budget for FY 18-19 and Schedule of Sewer Rates and Fees:

MINUTES OF PUBLIC HEARING

Mr. VeHaun announced the opening of the Public Hearing at 2:17 pm.

Mr. Powell reported that the numbers included in the Proposed Budget are the same as in the Proposed Final Budget. Page 47 presents the Flow of Funds Chart which is a graphical representation of the Budget Resolution. Page 48 presents the actual Proposed Budget Resolution for \$50,781,987 for FY19 which incorporates the following:

- 2.5% domestic rate increase.
 - .73 cent increase in the average single family monthly bill.
 - The Average Monthly bill will go from \$30.62 to \$31.36.
- Continuation of the Industrial Rate Parity Plan.
 - MSD is in year 19 of 20.
 - 3.8% average increase for the industrial section
- Sewer System Development Fees and Sewer Connection Fees change in accordance with consultant and staff recommendations.
- 1.5% rate of return on investments.
- 4.27% increase in Salaries and Benefits which has an approximate impact of \$563,125. Includes Personnel Committee recommendations as to Salary Adjustments, Self-Insurance Funding and GASB 45/75 OPEB Funding as well as State required Retirement contribution and unemployment funding.
- 1.80% increase in Materials supplies and service which has an impact of \$116,624. Approximately \$80,000 of that is pertaining to utilities due to the plant headworks project taking place in the next fiscal year.

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

Mr. VeHaun called for public comment on the proposed Budget, Rates and Fees for FY 2018-2019. There were none. Mr. VeHaun then closed the public hearing at 2:24 pm.

With no discussion, Mr. VeHaun called for a motion to approve the Resolution adopting the Final Budget for FY 2018-2019 and Schedule of Sewer Rates and Fees. Ms. Wisler moved. Ms. Bryson seconded the motion. Roll call vote was as follows: 8 Ayes; 0 Nays.

9. Old Business:

Mr. Kelly asked if the water coming down the French Broad River was more pure when it goes back into the river and at what percentage. Mr. Weed stated that the permit specifies the sewage that is treated must remove pollutants at an 85% removal rate and for MSD it is typically around 94% for both solids and the strength of the wastewater and it is cleaner than the water in the French Broad River. There is no water taken out of the river. Mr. Hartye stated that MSD cleans the sewage to remove 94% of contaminants in the sewage and by doing so it makes the effluent cleaner than the French Broad River into which it is discharged.

10. New Business:

None.

11. Adjournment:

With no further business, Mr. VeHaun called for adjournment at 2:35 pm.

Jackie W. Bryson, Secretary/Treasurer



MEMORANDUM

TO: MSD Board
FROM: Thomas E. Hartye, P.E., General Manager
DATE: July 12, 2018
SUBJECT: Report from the General Manager

- Kudos

- Byrdene Byerly of 8 Nebraska St. called in to let MSD know how happy she is about the work that Roy's crew did and said they were wonderful and got the job done quickly. Thanks to Roy Lytle, Jamie Foxx, Shane Meadows, Nicholas Hercules, and Marvin Felder.
- The homeowner from 206 N. Main St. in Weaverville called and wanted to commend Grady Brooks for being very quick on response and how well he conducts customer service. He had been there twice, was very good about giving details.
- Sam Hollifield of 133 Norwood called to commend Gilbert Karn stating that he was very professional and polite and was able to sort out and resolve an issue in a very short period of time that other agencies could not in the previous week. He indicated Angela Lewis had been very helpful and that MSD employees are the best employees that he has had the pleasure dealing with.

- Planning Committee

The Planning Committee will meet on August 15th at 1pm prior to the Regular Board meeting. The items to be discussed include potential future development hot spots that currently lack sewer service in the area and how MSD partners with others for expansion of the sewer system. We will also discuss reinstating a shared revenue policy for unsewered areas that was initiated in response to a situation in the City of Asheville that has rearisen.

- Board/Committee Meetings/Events

The next Right of Way Committee meeting will be held on July 25th at 9am. The next Regular Board Meeting will be held on August 15th at 2 pm.

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

BOARD MEETING DATE: July 18, 2018

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

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

SUBJECT: Consideration of Bids: Hill Street Sanitary Sewer Rehabilitation Project, MSD Project No. 2015018

BACKGROUND: This project is located in the Montford area, and is directly adjacent to I-240 near downtown Asheville. It consists of replacing problematic six-inch clay lines, which are in poor structural condition and have caused numerous maintenance problems.

Approximately 2,088 LF of 8-inch DIP will be installed to replace the old clay line.

The project was advertised and two bids were received on June 28, 2018. The project was therefore re-advertised and two bids were again received on July 6, 2018 in the following amounts:

<u>Contractor</u>	<u>Bid Amount</u>
1) Thomas Construction Co.	\$992,047.00
2) Terry Brothers Const. Co.	\$649,029.00

The apparent low bidder is Terry Brothers Construction Co. with a bid amount of \$649,029.00. Terry Brothers has completed numerous sewer rehabilitation projects for the District, and their work quality has remained excellent to date.

Please refer to the attached documentation for further details.

FISCAL IMPACT: The FY18-19 Construction Budget for this project is \$685,000.00.

STAFF RECOMMENDATION: Staff recommends award of this contract to Terry Brothers Construction Co. in the amount of \$649,029.00, subject to review and approval by District Counsel.

METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, NORTH CAROLINA

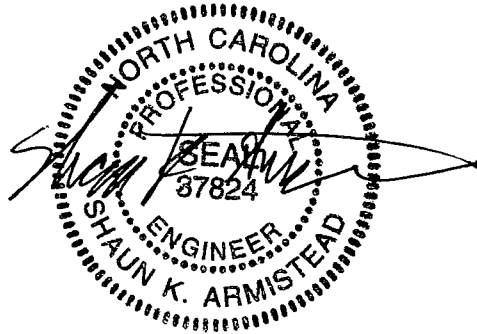
**Hill Street Sewer Rehabilitation
Project No. 2015018**

**BID TABULATION
July 6, 2018**

BIDDER	Bid Bond	MBE Form	Bid Forms (Proposal)	TOTAL BID AMOUNT
Thomas Construction Company Johnson City, TN	5%	1	Yes	\$992,047.00
Terry Brothers Construction Co. Leicester, NC	5%	1	Yes	\$649,029.00

APPARENT LOW BIDDER

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



This is to certify that the bids tabulated herein were publicly opened and read aloud at 2:00 p.m. on the 6th day of July, 2018, in the W.H. Mull Building at the Metropolitan Sewerage District of Buncombe County, Asheville, North Carolina, and that said bids were accompanied by acceptable bidders bonds in the amount of 5% of the bid. The project was first scheduled to be bid on June 28th. Only 2 bids were received; since this was a formal bid, the project was re-advertised.

Interoffice Memorandum

TO: Tom Hartye, General Manager

FROM: Ed Bradford, Director of Engineering
Shaun Armistead, Project Manager

DATE: July 9, 2018

RE: Hill Street Sewer Rehabilitation, MSD Project No. 2015018

This project is located in Asheville near Montford Avenue and is comprised of 2,088 LF of 8-inch ductile iron pipe. The existing line is 6-inch vitrified clay pipe in poor condition with multiple severe structural defects. Due numerous customer service requests and manhole overflows, this project has a Pipe Rating of 54.

Two bids were received on Thursday, July 6, 2018, as follows:

<u>Contractor</u>	<u>Bid</u>
1) Thomas Construction Co.	\$992,047.00
2) Terry Brothers Construction Co.	\$649,029.00

The FY18-19 construction budget for this project is \$685,000.00.

Terry Brothers Construction Company is the apparent low bidder for this contract with a bid amount of \$649,029.00. District Staff has had extensive experience with Terry Brothers Construction, and they have proven themselves to be competent contractors on past District contracts.

Staff recommends award of this contract to Terry Brothers Construction Company, contingent upon review and approval by District Counsel.

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

BUDGET DATA SHEET - FY 2018 - 2019

PROJECT: Hill Street	LOCATION: Asheville
TYPE: General Sewer Rehab.	PIPE RATING: 54
PROJECT NO. 2015018	TOTAL LF: 2,088
PROJECT BUDGET: \$697,200.00	PROJECT ORIGIN: SSO's, Access, Line Condition

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/17	EST. COST JAN - JUNE 2018	BUDGET FY 18-19
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN	\$9,000.00	\$6,500.00	\$2,500.00	
55330 - DESIGN				
55340 - PERMITS	\$1,000.00		\$1,000.00	
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS				
55370 - LEGAL FEES				
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION				
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$685,000.00			\$685,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING	\$1,000.00			\$1,000.00
55450 - SURVEY - ASBUILT	\$1,200.00			\$1,200.00
TOTAL AMOUNT	\$697,200.00	\$6,500.00	\$3,500.00	\$687,200.00

ENGINEER: MSD	SA	ESTIMATED BUDGETS - FY 20 - 28	
R.O.W. ACQUISITION: N/A	# PLATS: [0]	FY 19-20	\$0.00
CONTRACTOR:		FY 20-21	\$0.00
CONSTRUCTION ADM: MSD		FY 21-22	\$0.00
INSPECTION: MSD		FY 22-23	\$0.00
		FY 23-24	\$0.00
		FY 24-25	\$0.00
PROJECT DESCRIPTION: This project is located in Asheville near Montford Ave. and is comprised of 2,088 LF of 8-inch ductile iron pipe. The existing line is 6-inch vitrified clay pipe in poor condition with multiple severe structural defects.		FY 25-26	\$0.00
		FY 26-27	\$0.00
		FY 27-28	\$0.00

SPECIAL PROJECT NOTES:



**Hill Street
Project No. 2015018**

NOT TO SCALE



METROPOLITAN SEWERAGE DISTRICT
of
BUNCOMBE COUNTY, NORTH CAROLINA

Budget Map

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: July 18, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Ascot Point Apartments Phase 3 Sewer Extension, MSD Project No. 2015114

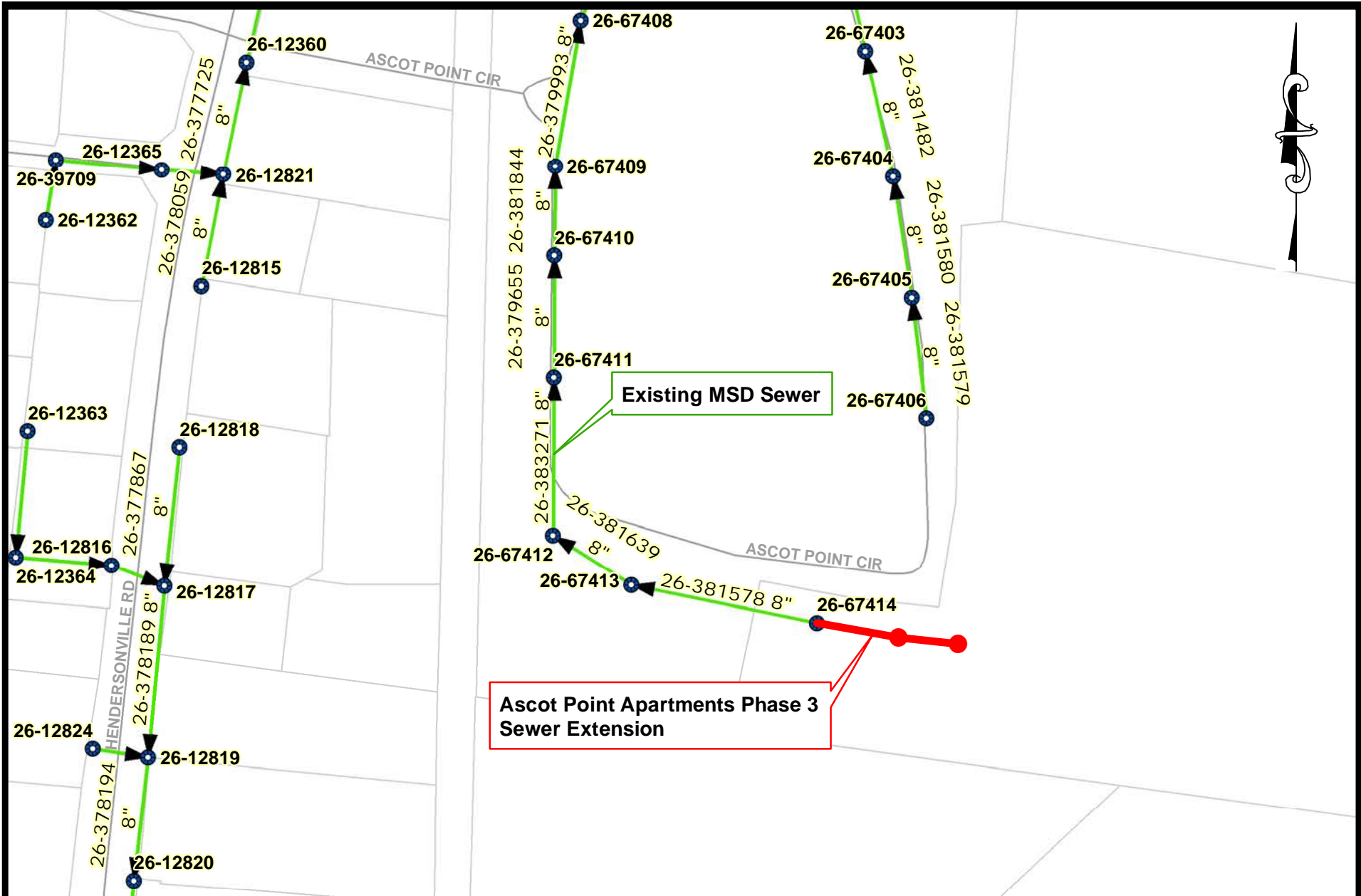
BACKGROUND: This project is located inside the District boundary off Hendersonville Road at Ascot Point Circle in the City of Asheville. The developer for this project is Dennis Burton of Ascot Point Phase I, LLC.

The project included extending approximately 213 linear feet of 8-inch public gravity sewer to serve the 104 unit multi-family residential development.

A wastewater allocation was issued in the amount of 31,200 GPD for the project. The estimated cost of the sewer construction is \$46,000.00.

All MSD requirements have been met.

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



MSD
Engineering Division

Ascot Point Apartments Phase 3 Sewer Extension MSD Project # 2015114

Metropolitan Sewerage District of Buncombe County

6/13/18

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: July 18, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Lakeshore Drive Sewer Extension, MSD Project No. 2017137

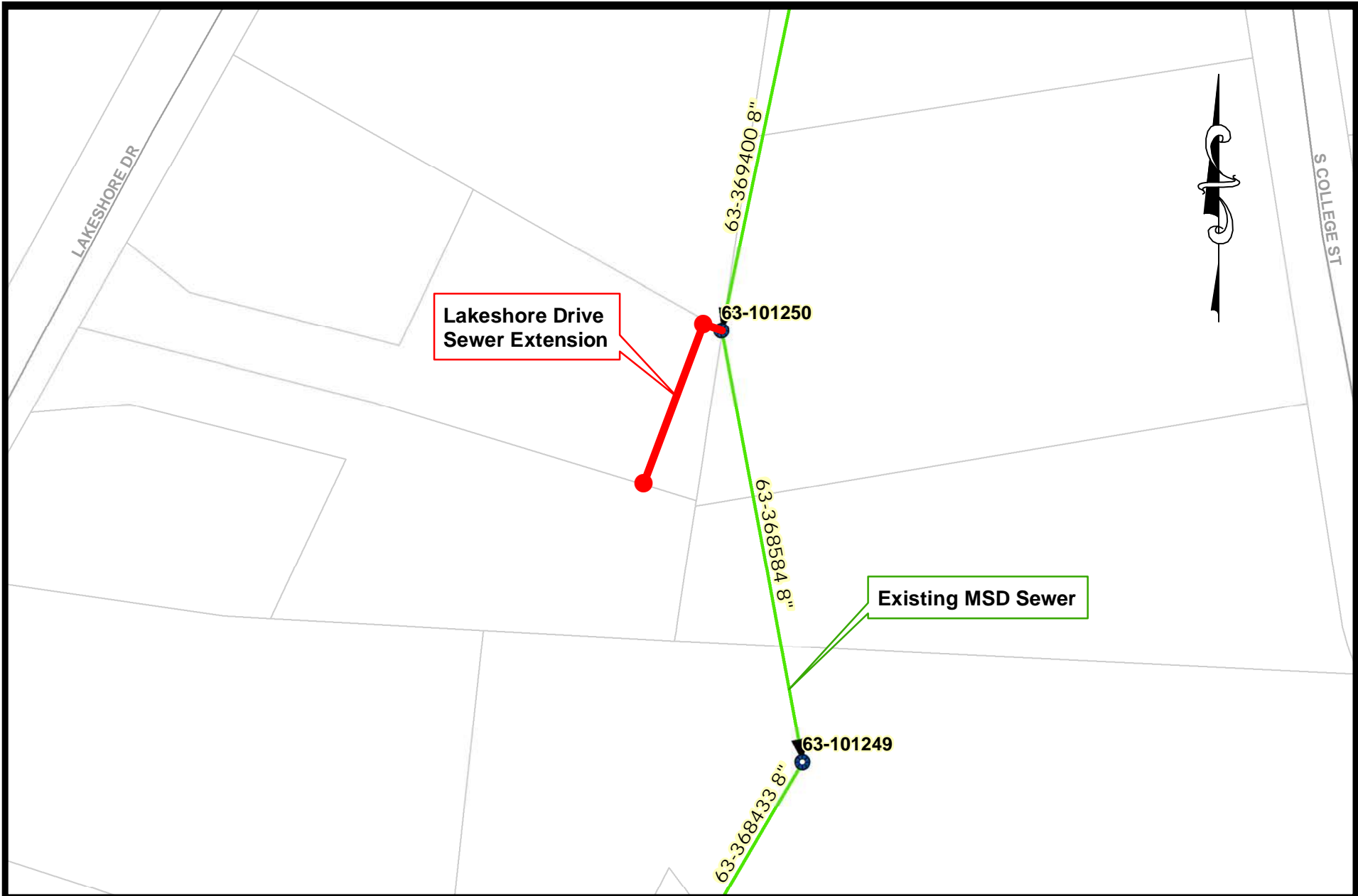
BACKGROUND: This project is located inside the District boundary off Lakeshore Drive in the Town of Weaverville. The developer for this project is Tim Brigman of Shakamar Investment Group, LLC.

The project included extending approximately 70 linear feet of 8-inch public gravity sewer to serve the four (4) units for the single family residential development.

A wastewater allocation was issued in the amount of 1,200 GPD for the project. The estimated cost of the sewer construction is \$25,000.00.

All MSD requirements have been met.

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



MSD
Engineering Division

Lakeshore Drive Sewer Extension MSD Project # 2017137

Metropolitan Sewerage District of Buncombe County

6/13/18

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: July 18, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Ardmion Homes Sewer Extension, MSD Project No. 2011107

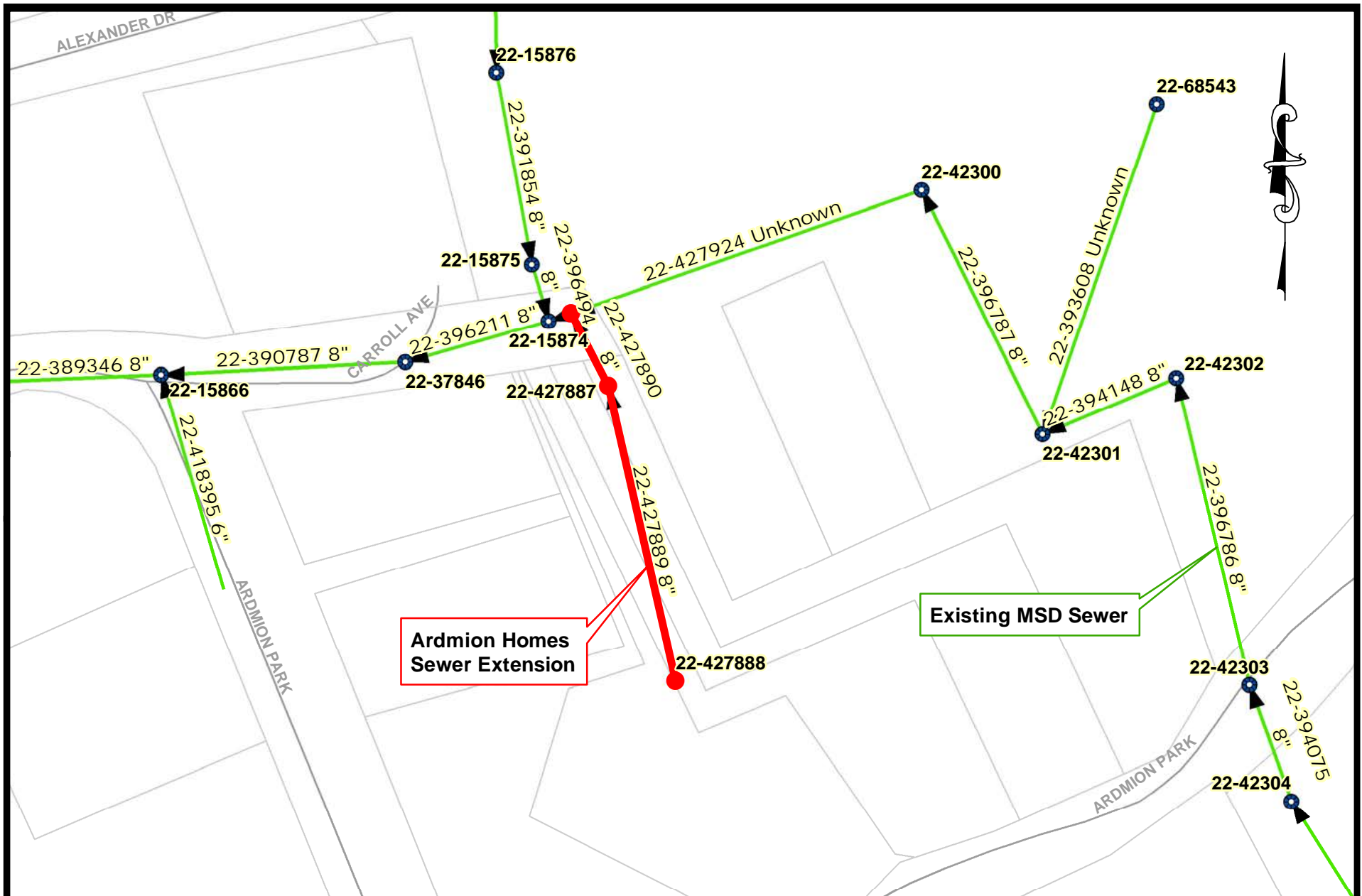
BACKGROUND: This project is located inside the District boundary on Ardmion Park in the City of Asheville. The developer for this project is William Liu of WillowNC, LLC.

The project included extending approximately 213 linear feet of 8-inch public gravity sewer to serve the five (5) unit single family residential development.

A wastewater allocation was issued in the amount of 2,000 GPD for the project. The estimated cost of the sewer construction is \$63,939.00.

All MSD requirements have been met.

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



Ardmion Homes Sewer Extension

Existing MSD Sewer



MSD
Engineering Division

**Ardmion Homes Sewer Extension
MSD Project # 2011107**

Metropolitan Sewerage District of Buncombe County

6/20/18

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: July 18, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Biltmore Lake Block I, Phase 3 Sewer Extension, MSD Project No. 2016234

BACKGROUND: This project is located inside the District boundary off Reeves Cove Road in Buncombe County. The developer for this project is Lee Thomason, III of Biltmore Lake, LLC.

The project included extending approximately 1,830 linear feet of 8-inch public gravity sewer to serve the twenty-three (23) units in this phase of the single family residential development.

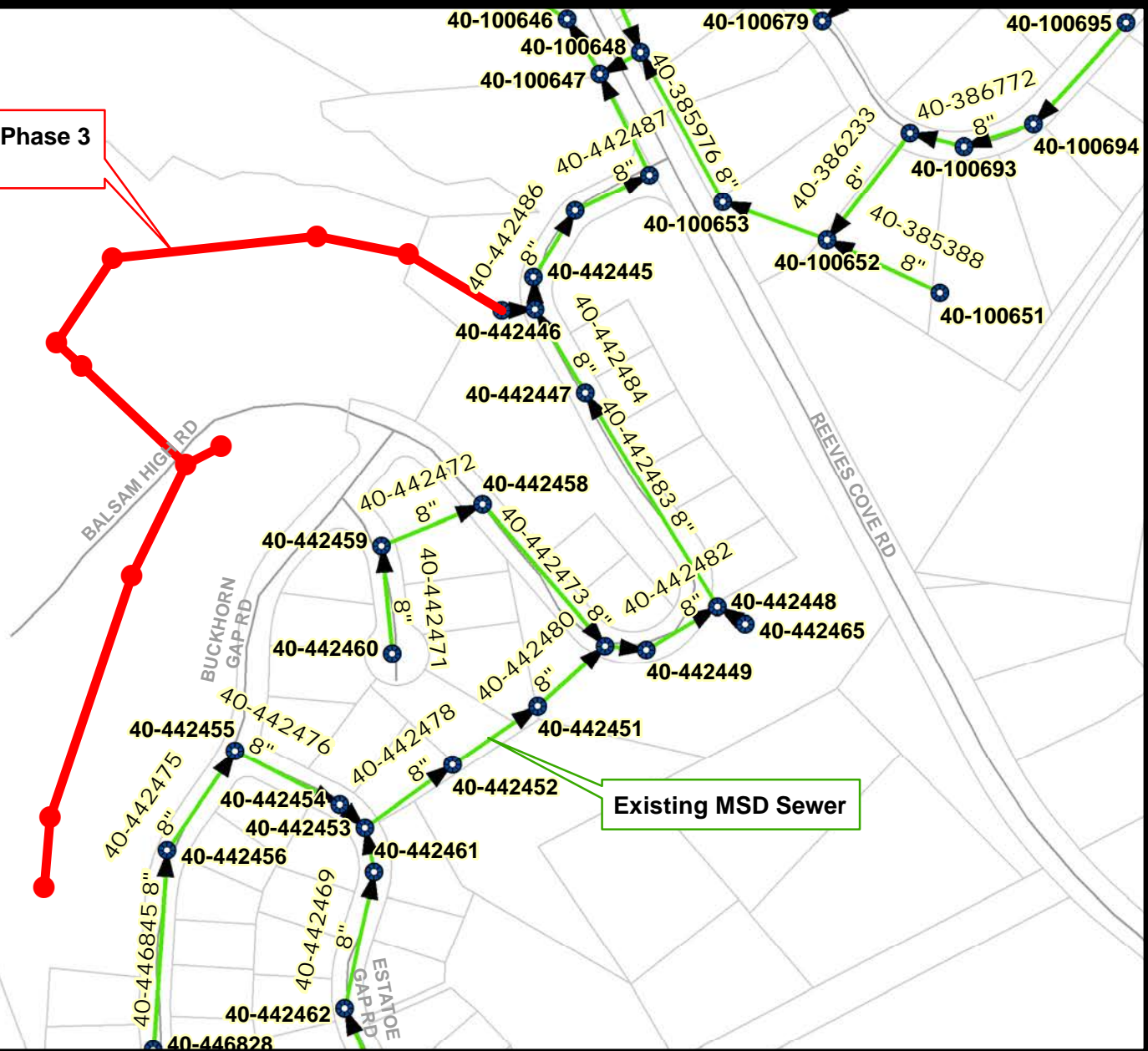
A wastewater allocation was issued in the amount of 6,900 GPD for the project. The estimated cost of the sewer construction is \$120,000.00.

All MSD requirements have been met.

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



**Biltmore Lake Block I Phase 3
Sewer Extension**



Existing MSD Sewer



MSD
Engineering Division

**Biltmore Lake Block I Phase 3 Sewer Extension
MSD Project # 2016234**

Metropolitan Sewerage District of Buncombe County

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: July 18, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Greymont Village Apartments Sewer Extension, MSD Project No. 2015108

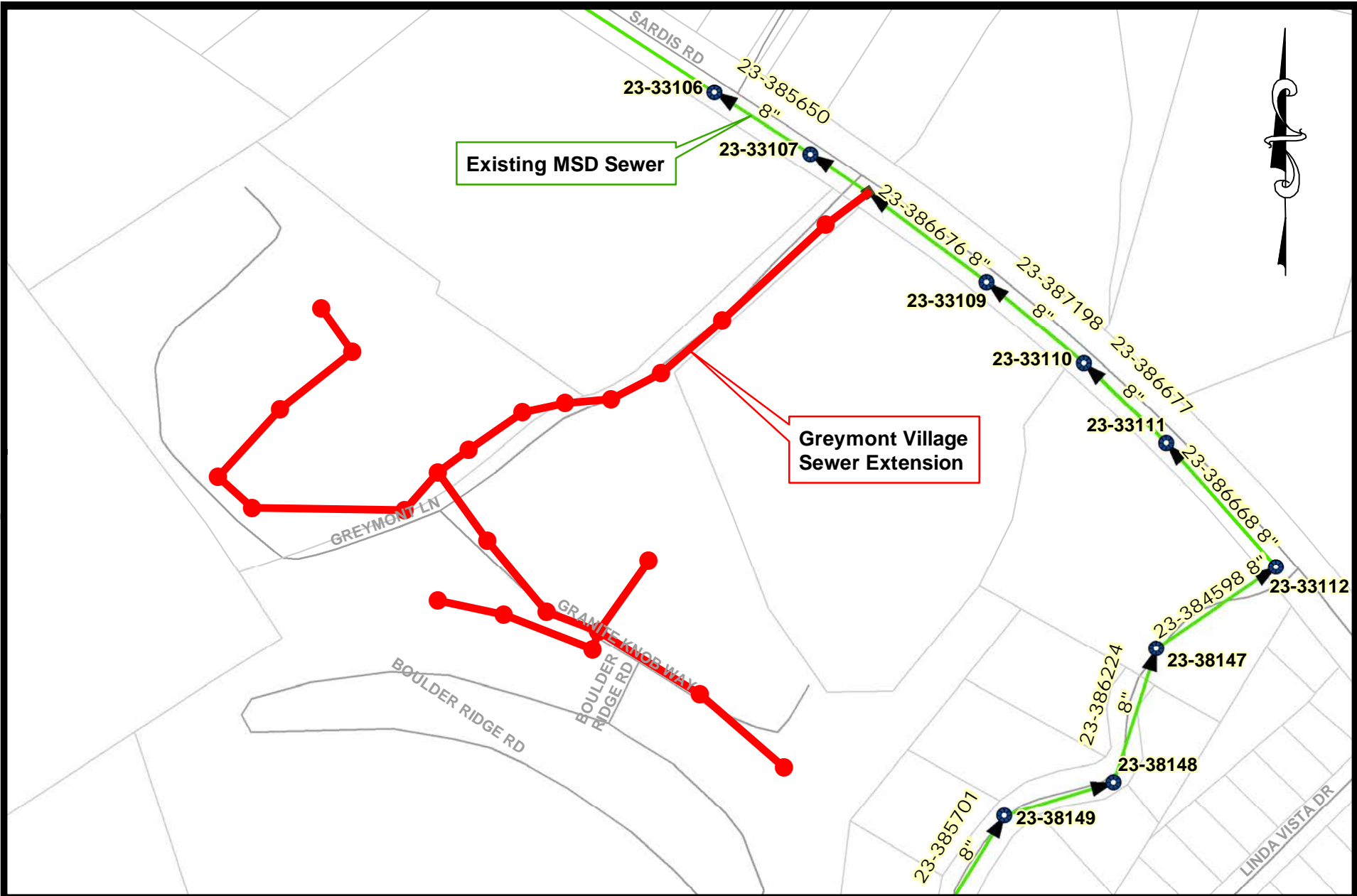
BACKGROUND: This project is located inside the District boundary off Sardis Road in Buncombe County. The developer for this project is Dennis Burton.

The project included extending approximately 3,181 linear feet of 8-inch public gravity sewer to serve the 356 unit apartment complex.

A wastewater allocation was issued in the amount of 63,400 GPD for the project. The estimated cost of the sewer construction is \$246,000.00.

All MSD requirements have been met.

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



MSD
Engineering Division

Greymont Village Apartments Sewer Extension MSD Project # 2015108

Metropolitan Sewerage District of Buncombe County

6/25/18

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: July 18, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the 88 Southside Avenue Sewer Extension, MSD Project No. 2016015

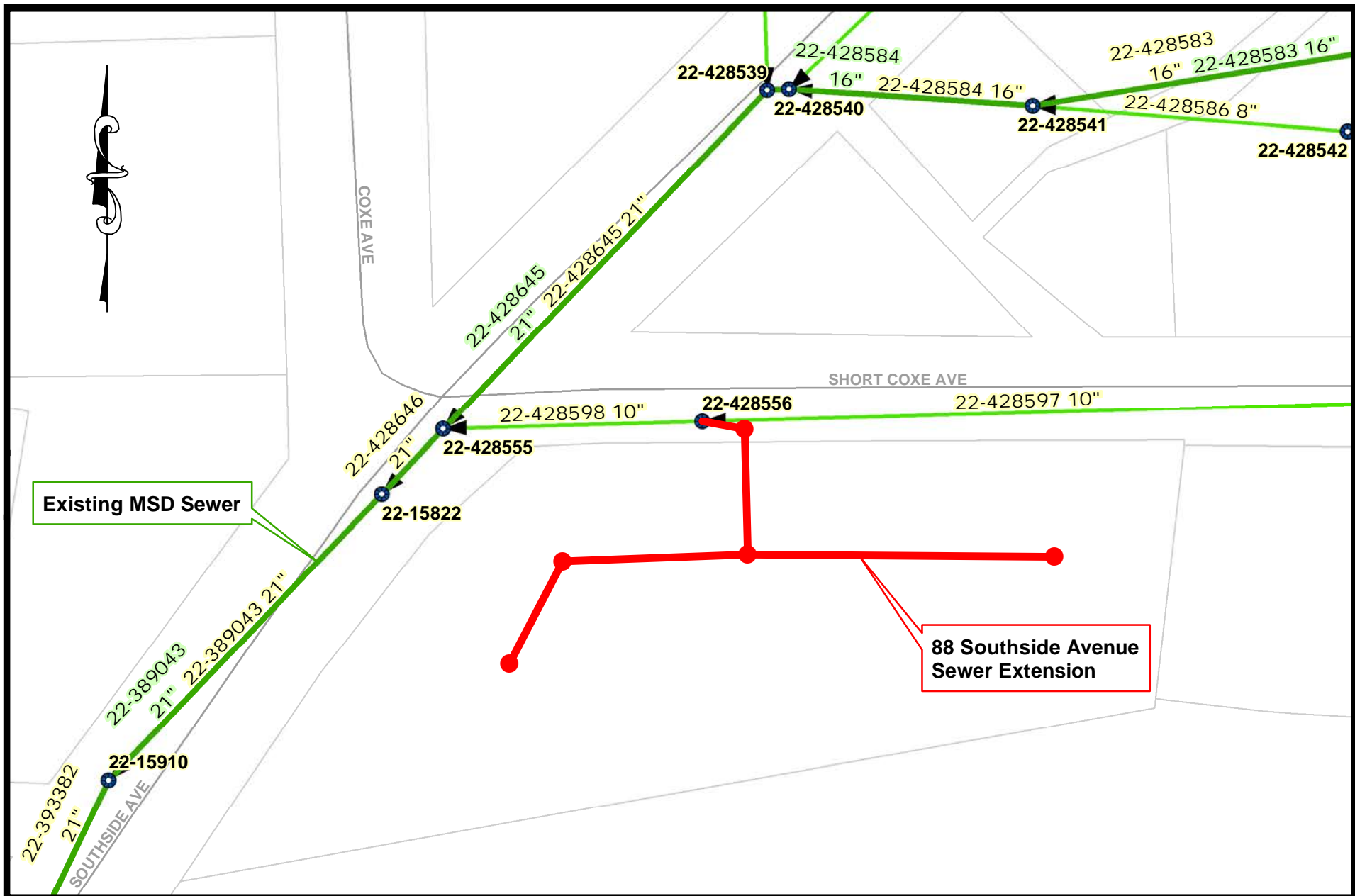
BACKGROUND: This project is located inside the District boundary at Short Coxe Avenue and Southside Avenue in the City of Asheville. The developer for this project is Peter Thom of PT Development of Asheville, LLC.

The project included extending approximately 293 linear feet of 8-inch public gravity sewer to serve the eighteen (18) unit single family townhome residential development.

A wastewater allocation was issued in the amount of 5,400 GPD for the project. The estimated cost of the sewer construction is \$61,000.00.

All MSD requirements have been met.

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



MSD
Engineering Division

88 Southside Avenue Sewer Extension MSD Project # 2016015

Metropolitan Sewerage District of Buncombe County

6/13/18

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: July 18, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Central Avenue Sewer Extension, MSD Project No. 2012065

BACKGROUND: This project is located inside the District boundary off Hemlock Drive in the City of Asheville. The developer for this project is Valentin Stelmakh.

The project included extending approximately 303 linear feet of 8-inch public gravity sewer to serve the six (6) unit single family residential development.

A wastewater allocation was issued in the amount of 1,800 GPD for the project. The estimated cost of the sewer construction is \$33,700.00.

All MSD requirements have been met.

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



MSD
Engineering Division

**Central Avenue Sewer Extension
MSD Project # 2012065**

Metropolitan Sewerage District of Buncombe County

6/25/18

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: July 18, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Liberty Oaks Phase 1A Sewer Extension, MSD Project No. 2015157

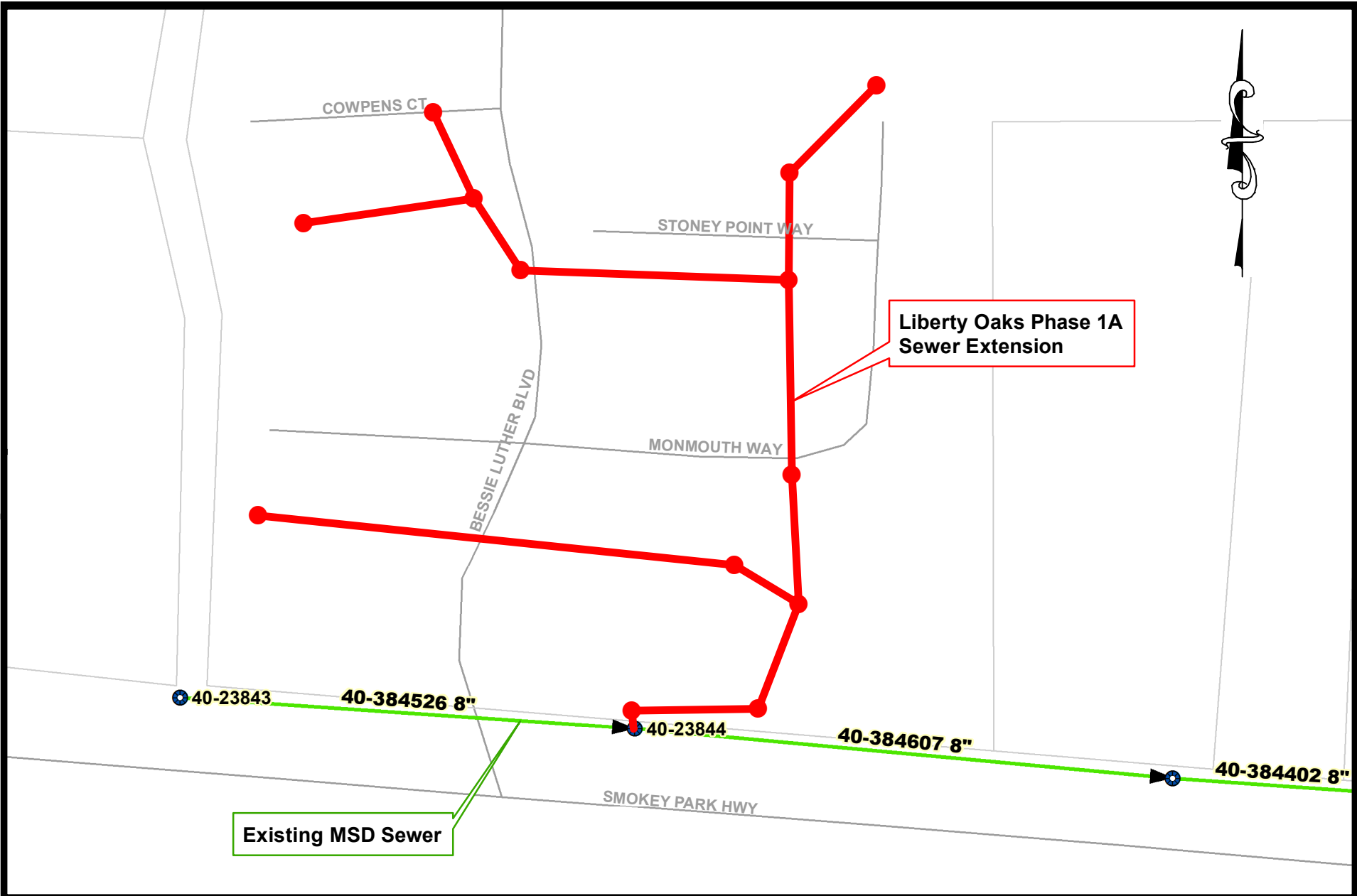
BACKGROUND: This project is located inside the District boundary off Smokey Park Highway in Buncombe County. The developer for this project is George Wilds of Liberty Oaks Fund 1, LP.

The project included extending approximately 1,095 linear feet of 8-inch public gravity sewer to serve the thirty-eight (38) units for this phase of the single family residential development.

A wastewater allocation was issued in the amount of 11,400 GPD for the project. The estimated cost of the sewer construction is \$105,000.00.

All MSD requirements have been met.

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



MSD
Engineering Division

Liberty Oaks Phase 1A Sewer Extension
MSD Project # 2015157
Metropolitan Sewerage District of Buncombe County

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: July 18, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the 88 Kennesaw Street (aka Cedar Street) Sewer Relocation, MSD Project No. 2017063

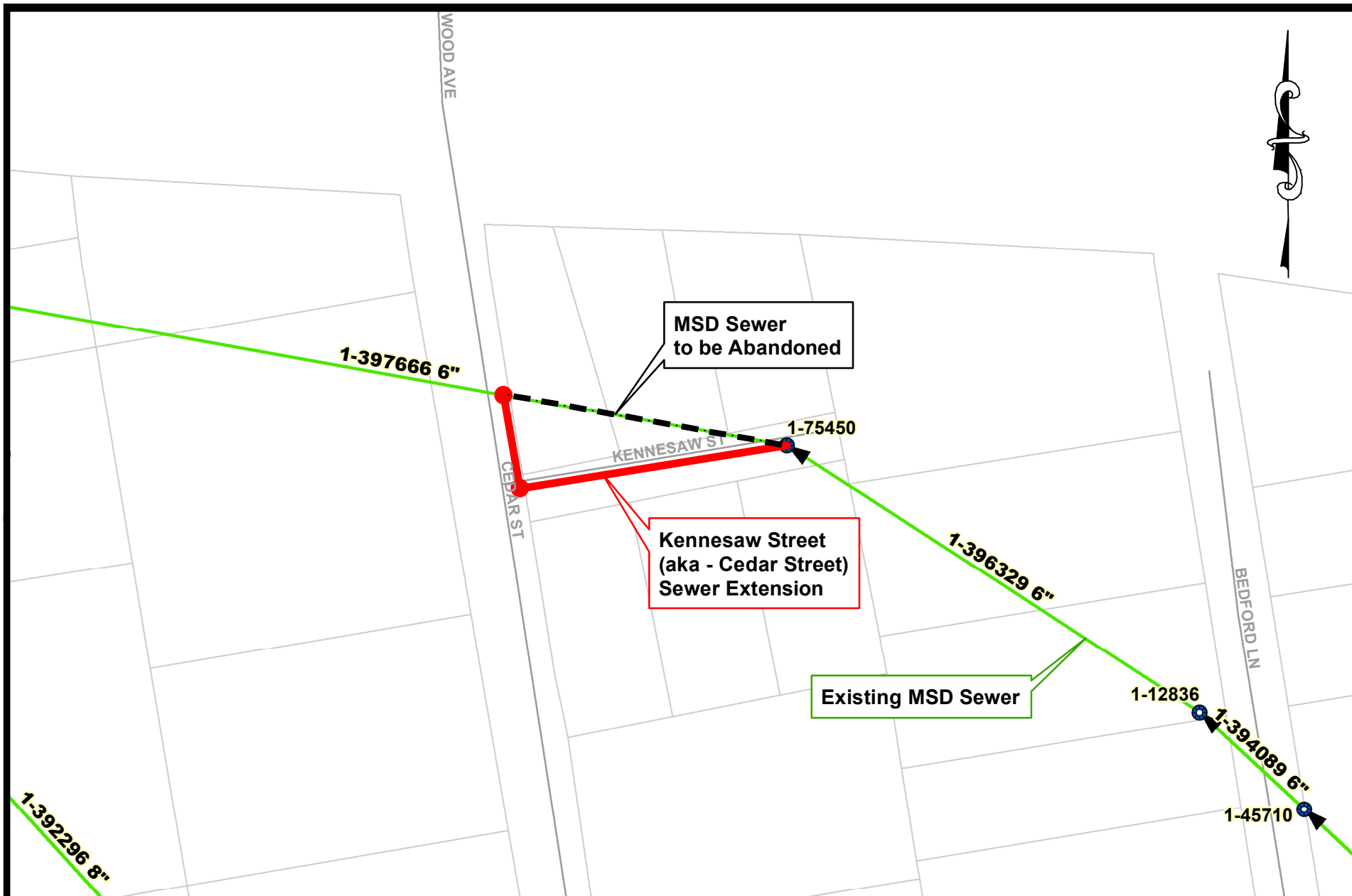
BACKGROUND: This project is located inside the District boundary at Cedar Street and Kennesaw Street in the City of Asheville. The developer for this project is David Phillips of Pike Real Estate Development, LLC.

The project included relocating approximately 191 linear feet of 8-inch public gravity sewer along with abandoning approximately 150 linear feet of public gravity sewer to accommodate the five (5) unit single family residential development.

A wastewater allocation was issued in the amount of 1,500 GPD for the project. The estimated cost of the sewer construction is \$30,000.00.

All MSD requirements have been met.

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



MSD
Engineering Division

**Kennesaw Street (aka - Cedar Street) Sewer Extension
MSD Project # 2017063**

Metropolitan Sewerage District of Buncombe County

6/27/18

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: July 18, 2018

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

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

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Maple Trace Phase 3 Sewer Extension, MSD Project No. 2016245

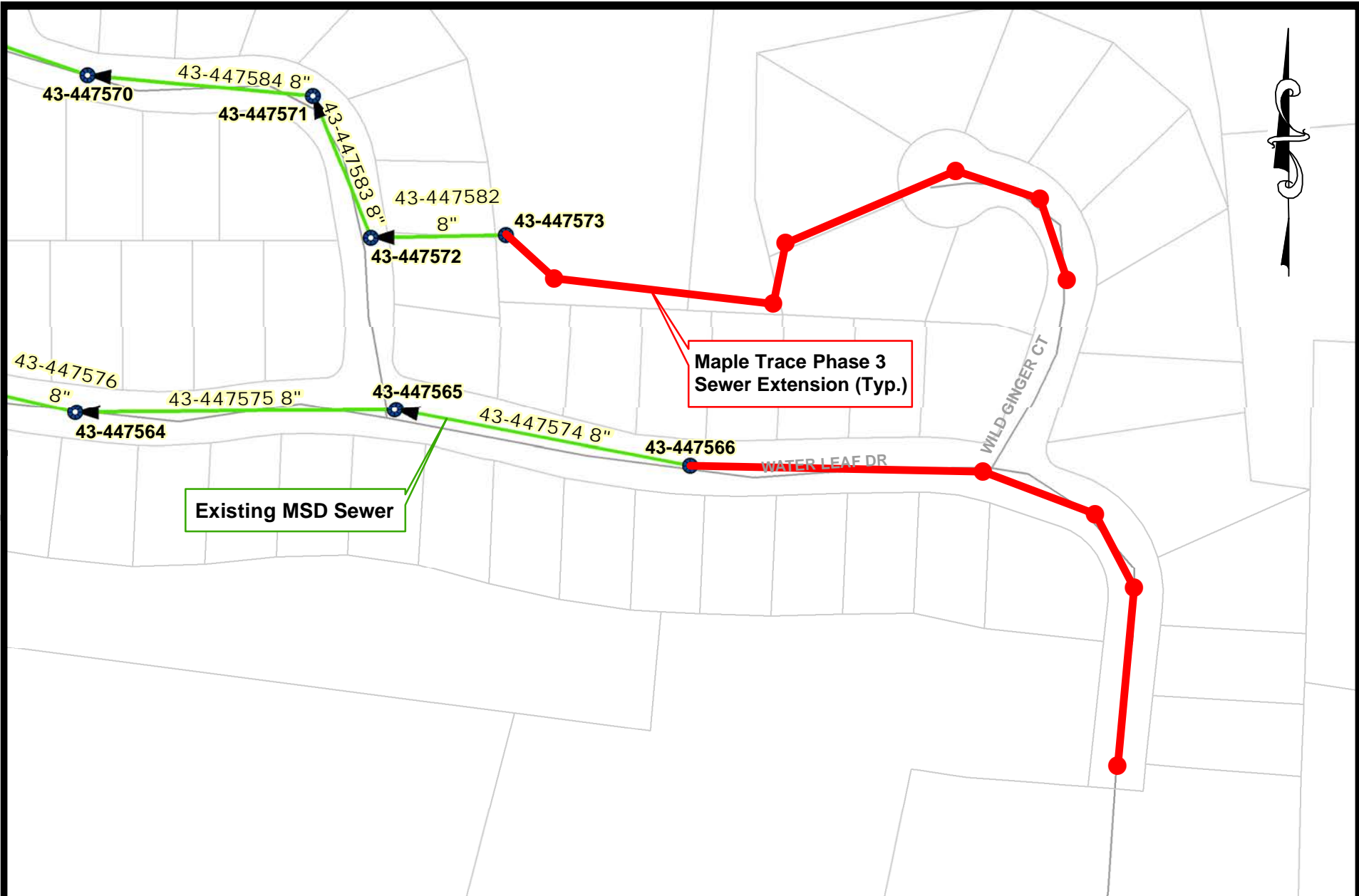
BACKGROUND: This project is located inside the District boundary off Reems Creek Road in Buncombe County. The developer for this project is Drew Norwood of Windsor Built Homes, Inc.

The project included extending approximately 1,262 linear feet of 8-inch public gravity sewer to serve the twenty-four (24) units for this phase of the single family residential development.

A wastewater allocation was issued in the amount of 7,200 GPD for the project. The estimated cost of the sewer construction is \$74,000.00.

All MSD requirements have been met.

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



Maple Trace Phase 3
Sewer Extension (Typ.)

Existing MSD Sewer



MSD
Engineering Division

Maple Trace Phase 3 Sewer Extension
MSD Project # 2016245
Metropolitan Sewerage District of Buncombe County

Metropolitan Sewerage District of Buncombe County

BOARD ACTION ITEM

BOARD MEETING DATE: July 18, 2018

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

REVIEWED BY: Billy Clarke, Esq. - District Counsel

PREPARED BY: Ed Bradford, P.E. - Director of Engineering
Kevin Johnson, P.E. - Planning & Development Manager
Shaun Armistead, P.E. - Project Engineer

SUBJECT: Consideration of Cost Participation for the Beacham's Curve Development, MSD Project No. 2017105

BACKGROUND: This project is located in West Asheville along the Haywood Road corridor, at a location locally known as "Beacham's Curve". It has been allocated for 12,000 GPD for a mixed-use infill type development. The developer for this project is Big Jake Enterprises, LLC.

There are existing public sewer lines located on the subject site that have been identified as a future Capital Improvement Project known as Haywood Road at Wellington Street, MSD Project No. 2016105. The existing pipe is 6-inch clay with multiple sags. Maintenance of the line is impaired because the line runs 475 feet between access points, and underneath or in close proximity to several buildings.

Realignment of this existing line would either involve placing a new line in Haywood Road as much as 16 feet deep, or attempting to rehabilitate the line in its existing location which would require non-standard easements through a congested construction corridor due to commercial development.

Relocating this line through the new development now will result in a better route with proper easements (at no additional cost to MSD). If MSD were to repair this line in the future, separate from the development project, this could trigger significant additional costs.

MSD staff has evaluated the project under Cost Participation guidelines, and determined that a 60% reimbursement is appropriate. Staff generated cost estimates for two of three options which provided benefit to MSD (see attached letter for details). A third option was made available, but provided no benefit to MSD; therefore, this option was not eligible for Cost Participation.

Big Jake Enterprises chose Option 2. The Option 2 cost estimate is \$230,906.43. At a 60% participation level, MSD's share is \$138,600.00. A copy of the location map and evaluation form is included. This project is expected to be completed in FY18-19.

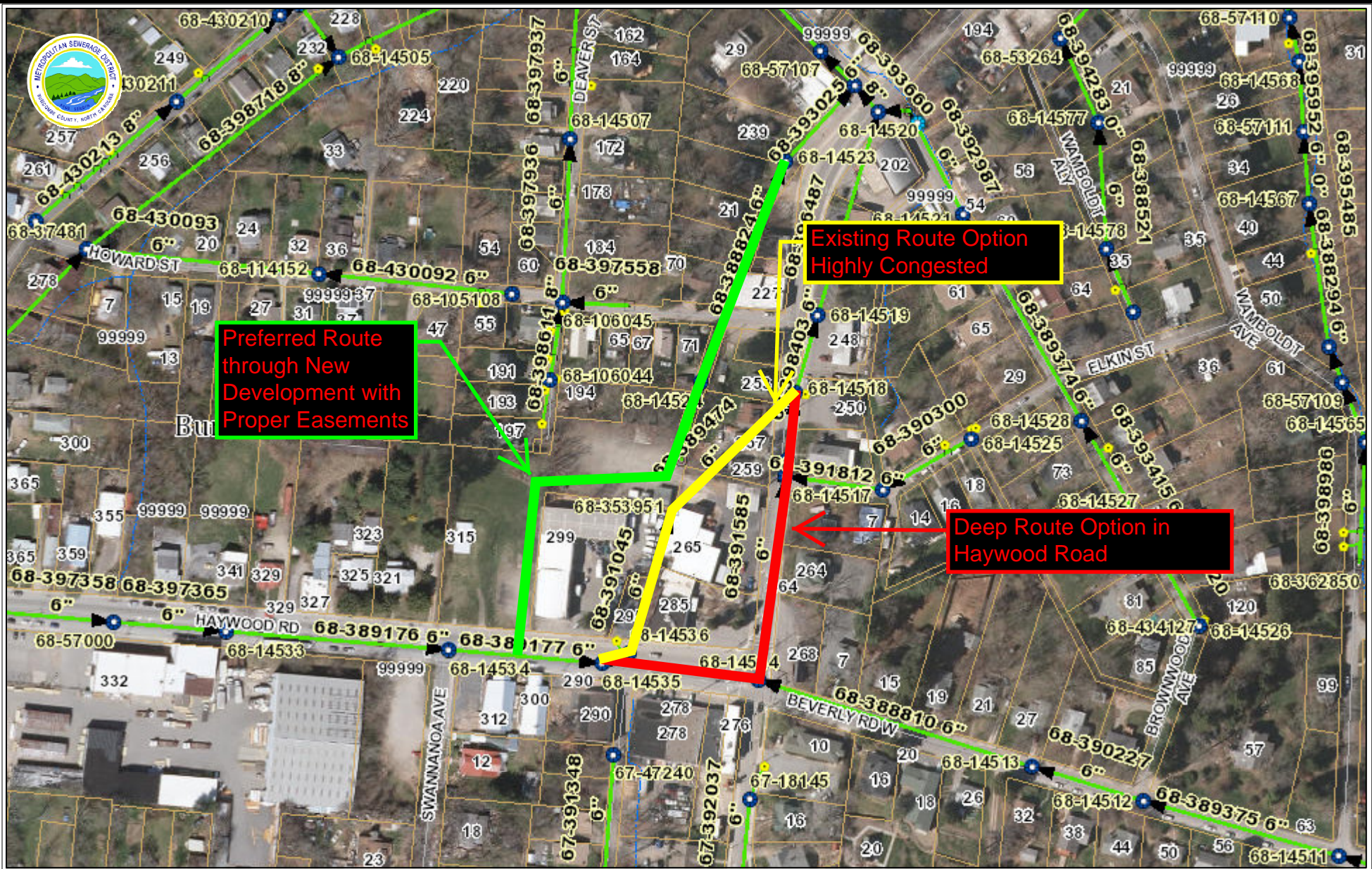
Please refer to the attached documentation for further details.

FISCAL IMPACT: The Cost Participation amount is \$138,600.00, which is 60% of the estimated construction cost. Funds are available in the CIP Contingency for this amount.

Should actual timing of the project result in reimbursement occurring in FY19-20, this reimbursement will be formally budgeted for next fiscal year.

STAFF RECOMMENDATION: Staff recommends that the District approve a reimbursement of \$138,600.00 to Big Jake Enterprises, LLC contingent upon full completion of the sewer rehabilitation portion of their project.

No payment shall be issued until the sewer is installed to MSD Standards and Specifications, all final paperwork is received including easement conveyance, and the system is fully accepted by the District Board.



Beacham's Curve Rehabilitation Options

Author: WEB

1 in = 200 ft

Date: 6/28/2018

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



Metropolitan Sewerage District

OF BUNCOMBE COUNTY, NORTH CAROLINA

February 21, 2018

James H. Diaz
Big Jake Enterprises, LLC
43 Lakeview Road
Asheville, NC 28804

Re: Sewer Options for Beacham's Curve Development
MSD Project Number 2017105

Dear Jim:

At your request MSD staff met again on Friday, February 9, 2018 to further evaluate sewer options for this project. This meeting was a result of you communicating your inability to obtain the necessary easement from 253 Haywood Road to be able to construct Advantage Civil Engineering's (ACE) proposed sewer route.

Previously MSD had agreed to compensate in the amount of 50% of the sewer relocation costs based on MSD cost estimates for a couple of different routes. MSD has had occasion to re-evaluate the condition of the line further since this project first began. MSD is now prepared to pay for up to 60% of the sewer relocation cost. This increase based on new information we have pertaining to the condition of the line running from Haywood Road (MSD Manhole (MH) #68-14533) through your property and back to Haywood Road at MSD MH #68-14518.

The following is a list of current sewer options with attached maps that MSD will allow along with the cost participation amounts for each. Note that cost participation will be subject to MSD Board approval.

- Option 1 (MSD Preferred): This option requires a new manhole be set in Haywood Road in front of 315 Haywood Road with sewer re-route around 299 Haywood Road down Oakley Place to Howard Street then turning toward and back across Haywood Road to MSD MH # 68-14519 located at 248 Haywood Road. This option would also tie existing MSD line 68-389474 back to the re-routed line with the portion serving the commonly owned properties becoming private. There is an off-site easement from 248 Haywood Road required for this option. Shaun Armistead, MSD engineer, completed a cost estimate based on the plan supplied by ACE to be \$229,534.47. Therefore, at approximately 60% cost participation, MSD would pay \$137,800. In addition, MSD will pay \$1,800 toward easement acquisition costs for a total amount of **\$139,600.**
- Option 2: This option is similar to Option 1, but instead of turning down Howard Street the new upgraded line extends down Oakley Place. Shaun's estimate for this route including replacement

~ Protecting Our Natural Resources ~

of rock wall based on ACE's design is \$230,906.43. Therefore, at approximately 60% cost participation, MSD's portion would be **\$138,600**.

- Option 3: This option is only being offered due to continual requests from the development team to connect the five-unit row house at 315 Haywood Road directly into the MSD line located in Haywood Road fronting the property. This is an old clay line; therefore MSD will allow this option on the condition that a portion of MSD line 68-389177 is replaced with 8-inch Ductile Iron Pipe, with one additional manhole as shown, and the connections for the new building will be constructed as part of the line replacement. In addition, MSD MH #s 68-14534 will have to be replaced with a new pre-cast concrete manhole. Any existing service connections within the line or manhole will have to be reconnected to the new line/manholes as part of the sewer construction. MSD line 68-389474 running through 255 -259 Haywood Road will still have to be relocated to accommodate the second row house. This relocation shall be approved and permitted by MSD. **This option would not be eligible for cost participation by MSD.**

If you have questions related these options please contact me at (828) 225-8289 or kevinj@msdbc.org.

Sincerely,



Kevin F. Johnson, PE
Planning and Development Manager
MSD Engineering Division

cc: Bryan Barwick
Ed Bradford, PE
Shaun Armistead, PE
Mike Lovoy, PE

Barwick & Associates, LLC

April 4, 2018

To: Kevin Johnson
Planning and Development Manager
MSD Engineering Division

RE: Haywood Rd sewer relocation project
MSD Project # 2017105

Kevin,

On behalf of Big Jake Enterprises, LLC this letter is to confirm our intent to proceed with sewer relocation Option 2 outlined in your letter date February 21, 2018 and attached hereto. This letter is to also agree to MSD's proposed cost participation of 60% in the amount of \$138,600 outlined in Option 2 in your attached letter.

Sincerely,



Bryan P. Barwick
Manager: Barwick & Associates, LLC
Member Manager: Big Jake Enterprises, LLC

APPENDIX A
Rehabilitation of Existing Sewer Lines

Project Name: Beacham's Curve - MSD Project # 2017105

Applicant: Big Jake Enterprises, LLC

Based on the TOTAL POINTS EARNED, MSD's participation in the construction costs is calculated in accordance with the following table:

TOTAL POINTS EARNED	MSD PARTICIPATION
0-25 Points	0%
25-50 Points	25%
51-75 Points	50%
76-84 Points	75% <i>>60%</i>
85-100 Points	100%

* No points are available for replacing pipe with new pipe of same size

** No points are available for replacing pipe with new pipe of same size unless required due to I/I.

					Points Earned
A. Rehabilitation Needs					
Project Scheduled for CIP Funding	<u>No *</u>	6-10 Yrs	3-5 Yrs	1-2 Yrs	
Point Value <i>2016105 Hayward @ Wellington</i>	0	10	15	20	<i>0 5*</i>
Percent of I/I Rehab vs. Upgrade Costs	0-10%	11-25%	26-50%	<u>Over 50%</u>	
Point Value	0	10	15	20	<i>20</i>
Age of Pipe Segment in years <i>1914</i>	0-10 Yrs	11-25 Yrs	26-50 Yrs	<u>Over 50 Yrs</u>	
Point Value	0	3	7	10	<i>10</i>
Size of Existing Pipe Segment * <i>6"</i>	Over 10"	8-10"	<u>6"</u>	4"	
Point Value	0	3	7	10	<i>7</i>
B. Pipe Capacity					
Existing Users Percent including I/I **	11-35%	36-55%	66-95%	<u>Over 95%</u>	
Point Value	5	10	15	25	<i>25</i>
New Development Percent *	Over 75%	36-75%	11-35%	<u>0-10%</u>	
Point Value	0	3	7	10	<i>10</i>
C. Location of Development					
Distance from Existing Sewer in feet	<u>0-500'</u>	501-1,000'	1,001-2,500'	Over 2,500	
Point Value	0	2	4	5	<i>0</i>
<i>* = Non-critical (Year 11 Project)</i>					
Total Points Earned					<i>72 77*</i>

Where Applicant's on-site activities (landscaping, building over existing sewers, etc.) require pipe relocation, MSD's percentage of participation shall be limited to the estimated costs for upgrading existing pipe in existing location.

MSD participation is dependent upon availability of funds.

Evaluated by: Kevin Johnson Date: 2/12/18
Shaun Armistead

Metropolitan Sewerage District of Buncombe County

BOARD INFORMATIONAL ITEM

Meeting Date: July 18, 2018
Submitted By: Thomas E. Hartye, PE., General Manager
Prepared By: W. Scott Powell, CLGFO, Director of Finance
 Cheryl Rice, Accounting Manager
Subject: Cash Commitment/Investment Report-Month Ended May 31, 2018

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 December 31, 2016 were \$79,268,924. The detailed listing of accounts is available upon request. The average rate of return for all investments is 1.178%. These investments comply with North Carolina General Statutes, Board written investment policies, and the District's Bond Order.

The attached investment report represents cash and cash equivalents as of May 31, 2018 do not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of May 31, 2018 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is \$55,316,875.

Total Cash & Investments as of 05/31/2018		79,268,924
Less:		
Budgeted Commitments (Required to pay remaining FY18 budgeted expenditures from unrestricted cash)		
Construction Funds	(8,907,720)	
Operations & Maintenance Fund	(2,367,167)	
		(11,274,887)
Bond Restricted Funds		
Bond Service (Funds held by trustee):		
Funds in Principal & Interest Accounts	(126,517)	
FY18 Principal & Interest Due	(6,792,202)	
		(6,918,719)
District Reserve Funds		
Fleet Replacement	(773,979)	
Pump Replacement	(189,786)	
WWTP Replacement	(321,770)	
Maintenance Reserve	(975,140)	
		(2,260,675)
District Insurance Funds		
General Liability	(358,061)	
Worker's Compensation	(312,177)	
Post-Retirement Benefit	(1,646,955)	
Self-Funded Employee Medical	(1,180,575)	
		(3,497,768)
Designated for Capital Outlay		55,316,875

Staff Recommendation

None. Information Only.

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

Board Meeting: July 18, 2018

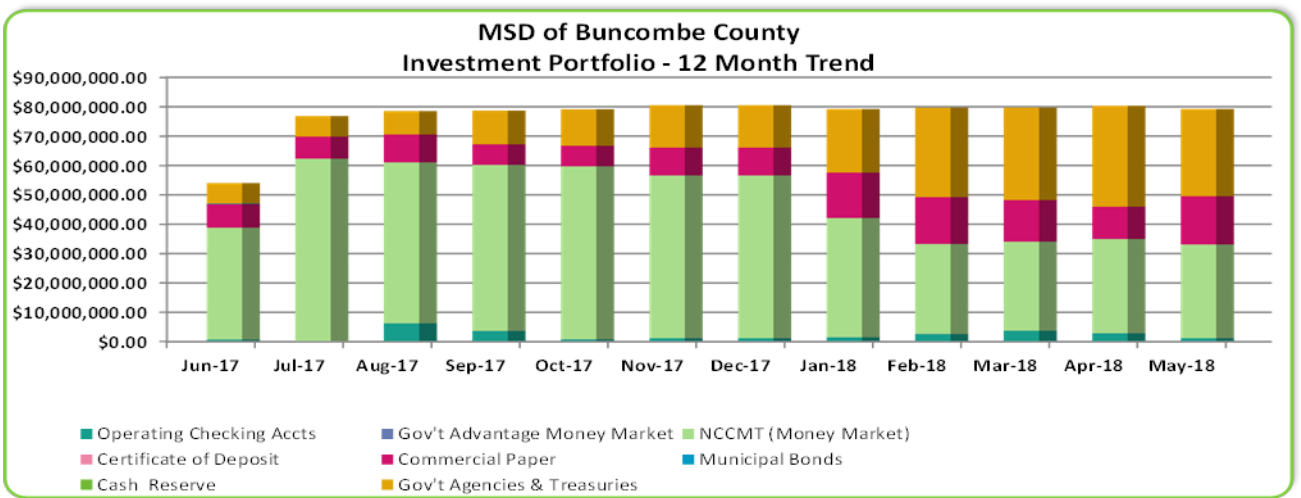
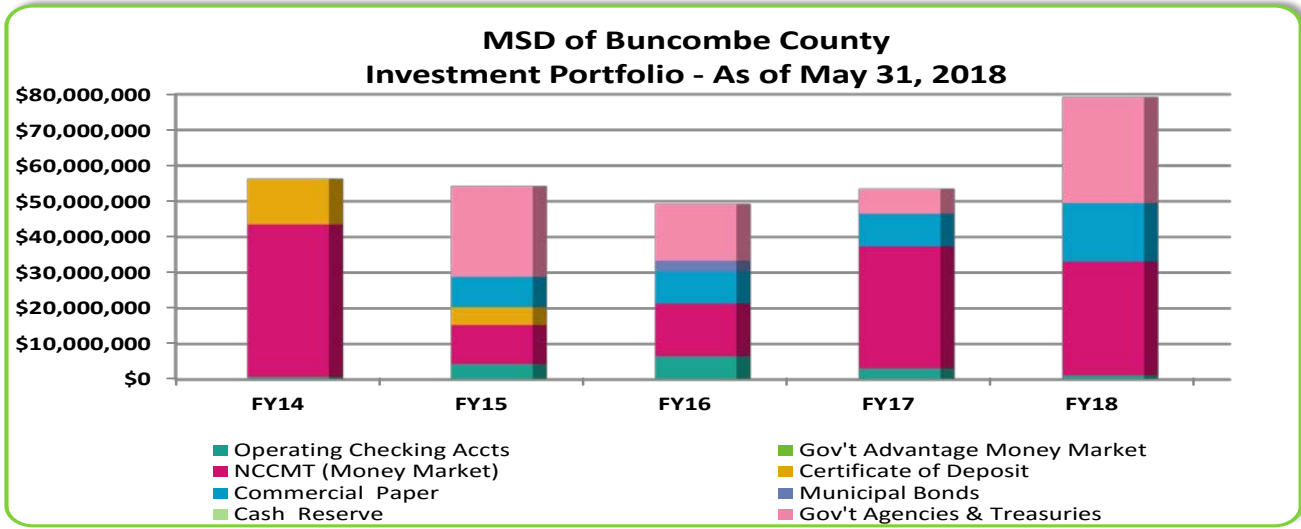
Subject: Cash Commitment/Investment Report-Month Ended May 31, 2018

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**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	\$ -		\$ 1,837,747			\$ -	\$ -		\$ 1,837,747
Held by MSD	1,130,460	46,678	30,109,214	-	16,404,218	-		29,740,607	77,431,177
	\$ 1,130,460	\$ 46,678	\$ 31,946,961	\$ -	\$ 16,404,218	\$ -	\$ -	\$ 29,740,607	\$ 79,268,924

Investment Policy Asset Allocation	Maximum Percent	Actual Percent	
U.S. Government Treasuries, Agencies and Instrumentalities	100%	36.82%	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 1.90% is exceeding the YTM benchmark of the NCCMT Government Portfolio.
Commercial Paper	20%	19.99%	
Municipal Bonds	100%	0.00%	
North Carolina Capital Management Trust	100%	40.30%	
Checking Accounts:	100%		All funds invested in CD's, operating checking accounts, Gov't Advantage money market are fully collateralized with the State Treasurer.
Operating Checking Accounts		1.43%	
Gov't Advantage Money Market		0.06%	



Board Meeting: July 18, 2018

Subject: Cash Commitment/Investment Report-Month Ended May 31, 2018

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**METROPOLITAN SEWERAGE DISTRICT
INVESTMENT MANAGERS' REPORT
At May 31, 2018**

Summary of Asset Transactions

	Original Cost	Market	Interest Receivable
Beginning Balance	\$ 71,362,479	\$ 71,446,390	\$ 88,271
Capital Contributed (Withdrawn)	2,446,924	2,446,924	
Realized Income	111,891	111,891	(66,016)
Unrealized/Accrued Income	14,719	(7,158)	73,164
Ending Balance	\$ 73,936,013	\$ 73,998,047	\$ 95,419

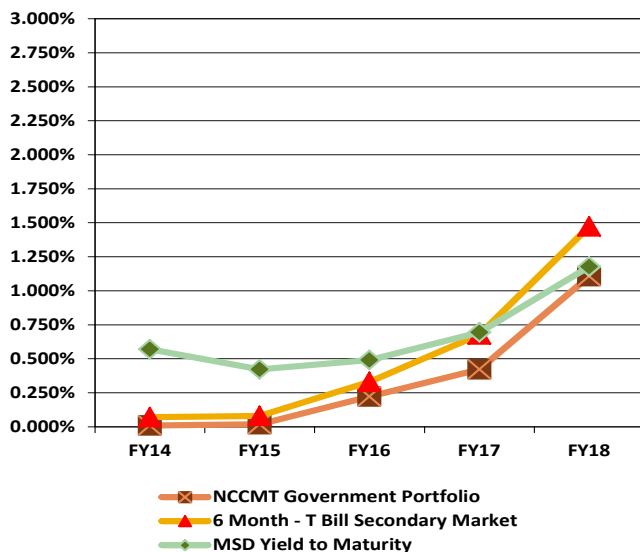
Value and Income by Maturity

	Original Cost	Income
Cash Equivalents <91 Days	\$ 44,214,516	\$ 66,905
Securities/CD's 91 to 365 Days	23,221,497	\$ 35,139
Securities/CD's > 1 Year	6,500,000	\$ 9,836
	\$ 73,936,013	\$ 111,880

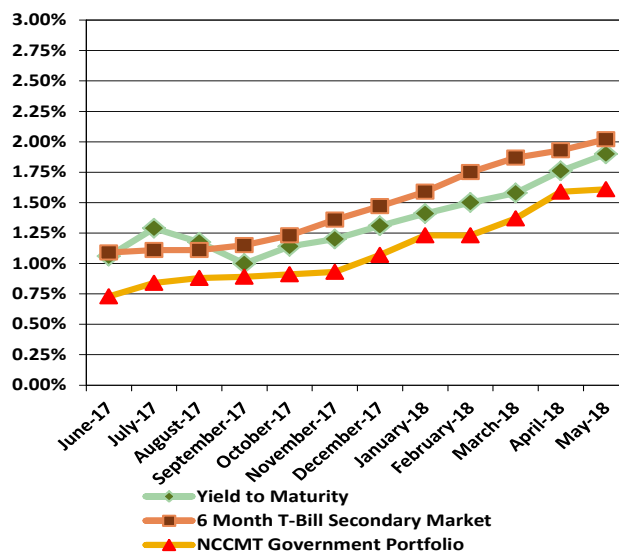
Month End Portfolio Information

Weighted Average Maturity	135
Yield to Maturity	1.90%
6 Month T-Bill Secondary Market	2.02%
NCCMT Government Portfolio	1.61%

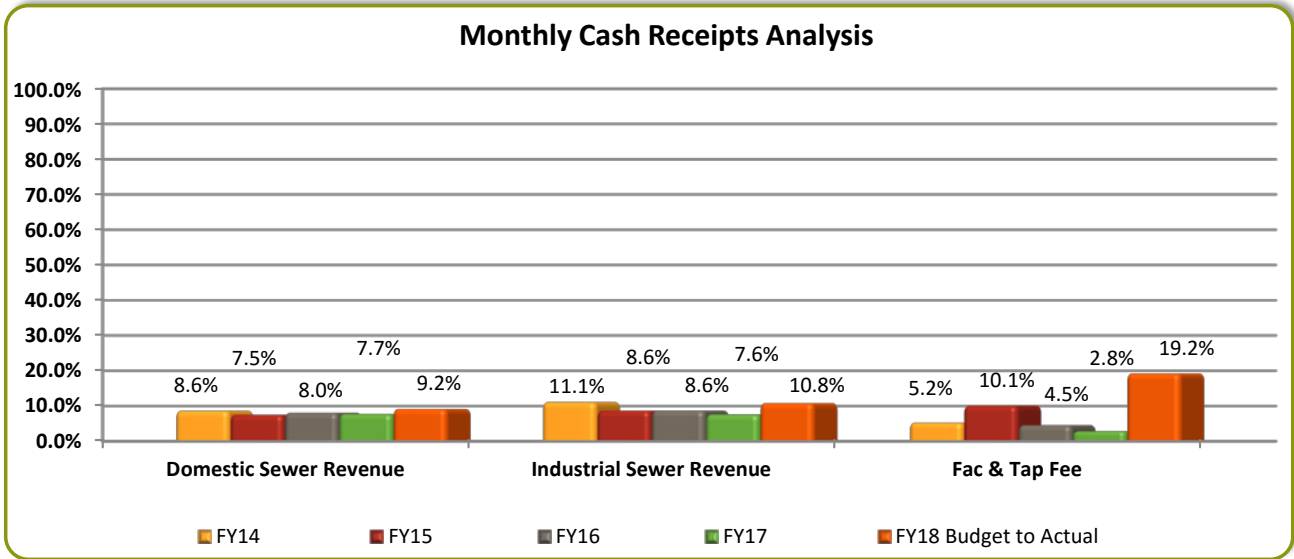
**Metropolitan Sewerage District
Annual Yield Comparison**



**Metropolitan Sewerage District
Yield Comparison - May 31, 2018**

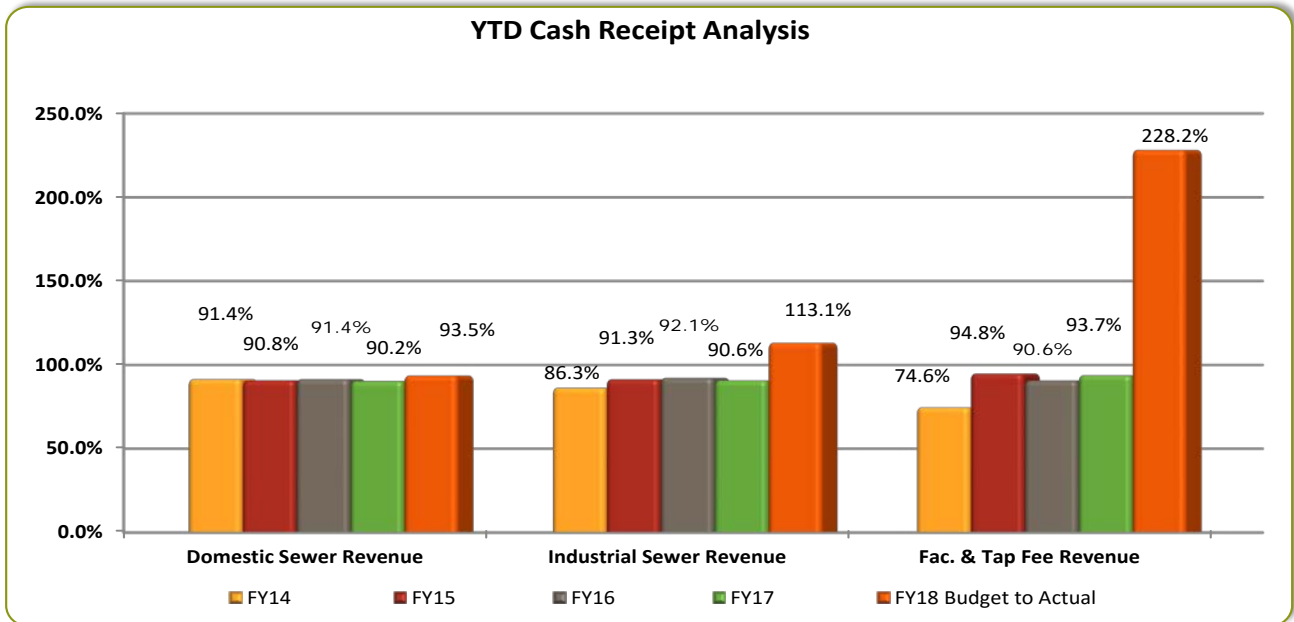


**METROPOLITAN SEWERAGE DISTRICT
ANALYSIS OF CASH RECEIPTS
As of May 31, 2018**



Monthly Cash Receipts Analysis:

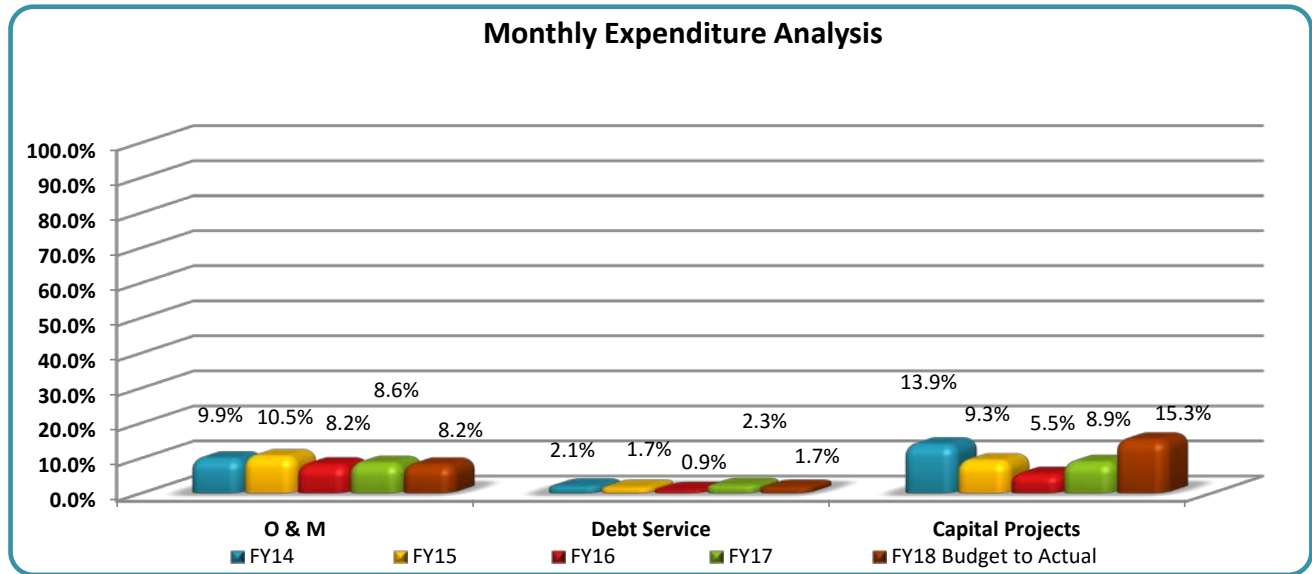
- Monthly domestic sewer revenue is considered reasonable based on timing of cash receipts in their respective fiscal periods.
- Monthly industrial sewer revenue is reasonable based on historical trends.
- Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap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



YTD Actual Revenue Analysis:

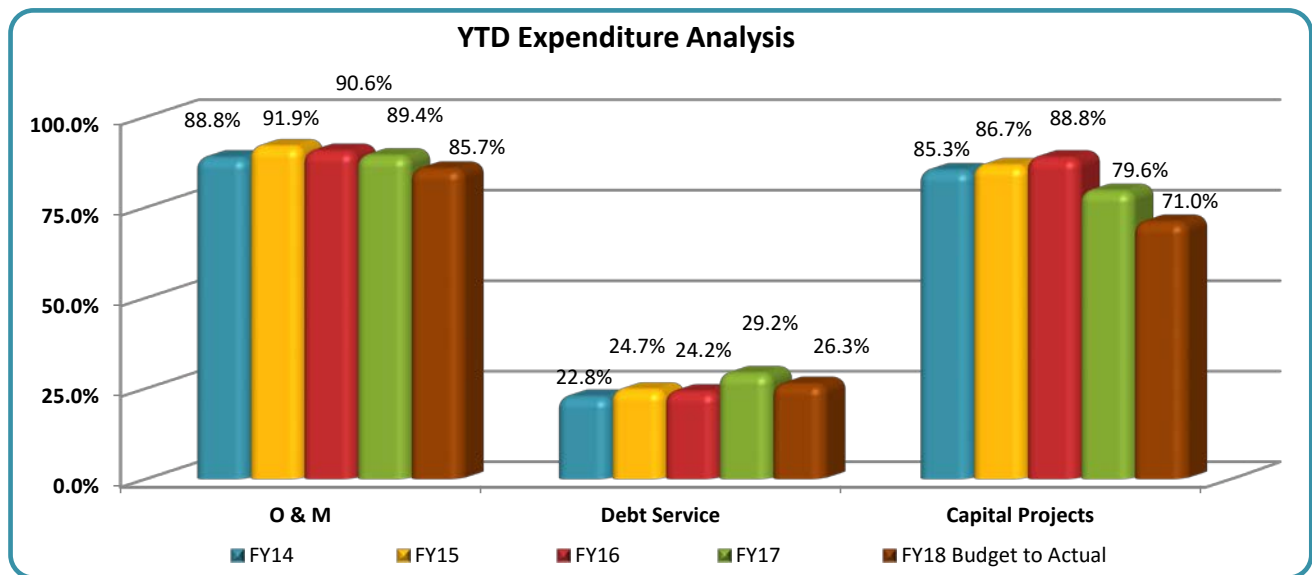
- YTD domestic sewer revenue is considered reasonable based on historical trends.
- YTD industrial sewer revenue is reasonable based on historical trends.
- Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap fee revenue reasonable.

**METROPOLITAN SEWERAGE DISTRICT
ANALYSIS OF EXPENDITURES
As of May 31, 2018**



Monthly Expenditure Analysis:

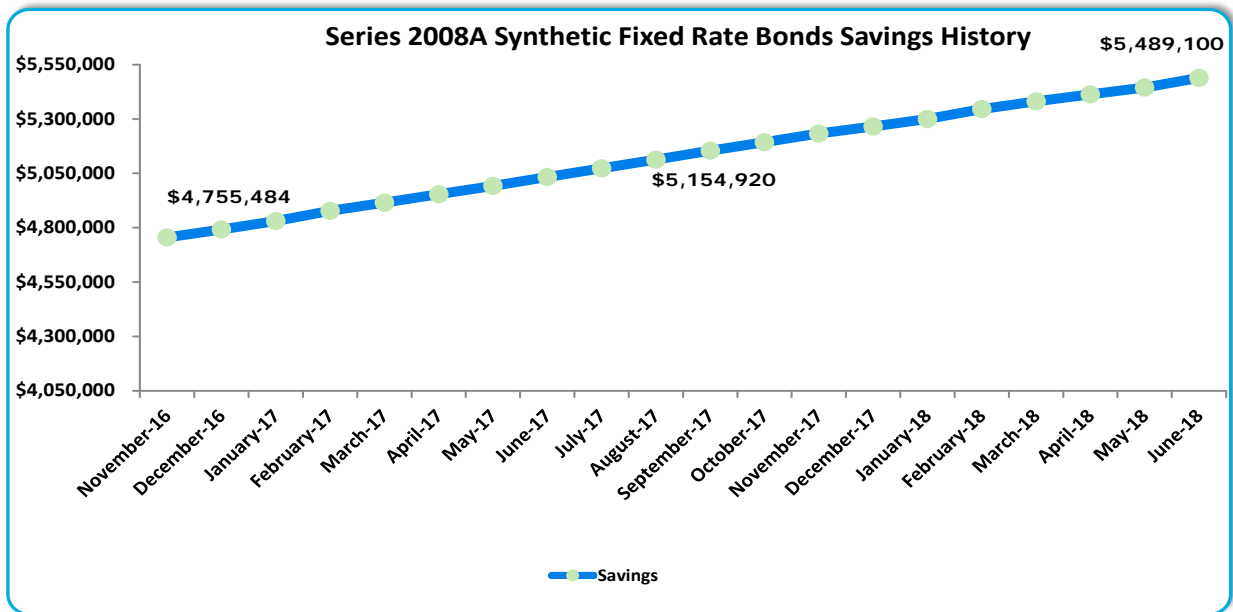
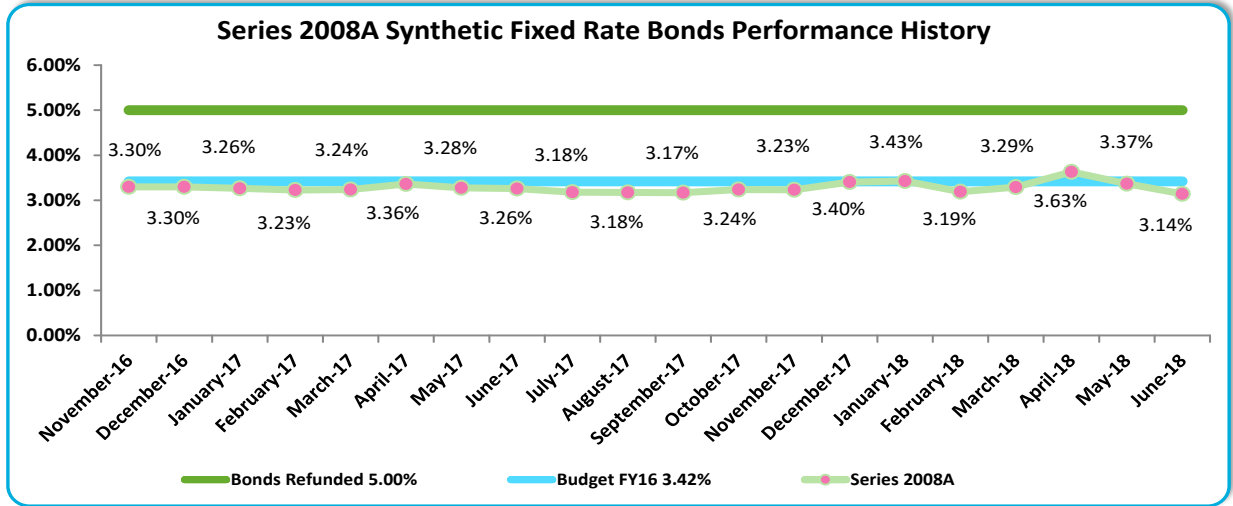
- Monthly O&M expenditures are considered reasonable based on historical trends and timing of expenditures in the current year.
- Due to the nature of the variable rate bond market, monthly expenditures can vary year to year. Based on current variable interest rates, monthly debt service expenditures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



YTD Expenditure Analysis:

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

**METROPOLITAN SEWERAGE DISTRICT
VARIABLE DEBT SERVICE REPORT
As of June 30, 2018**



Series 2008A:

- ▮ Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$5,489,100 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 \$2,572,374 to terminate the existing Bank of America Swap Agreement.

STATUS REPORTS

MSD System Services In-House Construction

FY 17-18 PROJECTS

PROJECT NAME	LOCATION	ZIP CODE	ESTIMATED FOOTAGE	ESTIMATED PROJECT DATES	WO#	CREW	COMPLETION DATE	ACTUAL FOOTAGE	NOTES
11 Greenbriar Emergency Repair	Asheville	TBA	50	7/1/17 - 7/10/17	244238	632	7/7/2017	52	complete
Sycamore Drive @ Walnut Street (Phase 2)	Arden	28704	290	7/1/17 - 7/31/17	244350	631	7/14/2017	291	complete
Windsor Road @ Beaverbrook Road	North Asheville	28804	726	7/8/17-7/31/17	228305	632	7/31/2017	725	complete
Nebraska Street Emergency Rehabilitation (Ph. 1)	W. Asheville	28806	415	8/1/17 - 9/1/17	240563	631	8/10/2017	414	complete
Celia Place at Bond Street (Rework)	N. Asheville	28801	250	8/1/17 - 8/11/17	244891	632	8/10/2017	80	complete
Windsor Road @ Beaverbrook Road (Ph. 2)	North Asheville	28804	125	8/14/17 - 9/1/17	244938	632	8/17/2017	124	complete
Sycamore Drive @ Walnut Street (Phase 3)	Arden	28704	494	8/11/17 - 9/1/17	245100	631	8/30/2017	479	complete
185 Mississippi Road	Montreat	28757	143	9/2/15 - 9/5/17	245783	632	9/5/2017	143	complete
Cedar Lane @ Oak Terrace	Arden	28704	1000	9/1/17 - 10/2/17	237374	631	9/28/2017	1001	complete
Penelope Street @ W. Cotton Ave	Black Mountain	28711	700	9/2/17 - 10/2/17	222331	632	9/29/2017	741	complete
Raleigh Avenue @ Marietta Street	Asheville	28803	655	10/2/17 - 11/1/17	237100	631	10/31/2017	746	complete
Manila Street	Asheville	28806	650	10/2/17-11/10/17	246373	632	11/10/2017	654	complete
44 Forsythe St	Asheville	28801	350	11/2/17 - 11/30/17	237035	631	11/17/2017	344	complete
School Road at Woodland (Ph. 1)	W. Asheville	28806	350	1/13/17 - 12/13/17	224993	632	11/29/2017	319	complete
School Road at Woodland (Ph. 2)	W. Asheville	28806	150	1/13/17 - 12/13/17	224993	632	11/29/2017	154	complete
Wilson Avenue at Grovemont Avenue	Swannanoa	28778	1480	12/1/17 - 1/3/18	247244	631	12/18/2017	1491	complete
Buchanan Ave Ph. 1 Sewer Rehabilitation	Asheville	28801	340	12/4/17 - 12/31/17	247996	632	12/19/2017	206	complete
209 Cane Creek Road Sewer Replacement	Fletcher	28732	337	12/28/17 - 1/12/18	232970	632	1/9/2018	348	complete
149 Weston Rd	Arden	28704	210	12/28/17 - 1/12/18	225004	631	1/10/2018	188	complete
Carlyle Way @ Sweeten Creek Rd	South Asheville	28803	100	1/13/18 - 1/23/18	248915	631	1/23/2018	79	complete
Fairfax Avenue	Asheville	28806	208	1/15/18 - 1/31/18	246376	632	1/26/2018	231	complete
100 Airport Road	Arden	28704	150	1/24/18 - 1/29/18	248988	631	1/29/2018	146	complete
Laurel Road Phase 2A	Arden	28704	1496	1/30/18 - 2/23/18	248227	631	2/19/2018	417	complete
Roberts Street	Asheville	28801	311	2/1/18 - 2/23/18	246375	632	2/21/2018	308	complete
Buchanan Ave Ph. 1 Sewer Rehabilitation	Asheville - Oakley	28803	740	2/26/18 - 3/16/18	238683	632	3/16/2018	775	complete
Asheville Country Club Phase 1C	North Asheville	28804	1210	2/26/18 - 3/30/18	237431	631	3/28/2018	1315	complete
Sunset Dr. @ Vance Drive	Black Mountain	28711	1010	3/18/18 - 3/30/18	237499	632	3/26/2018	950	complete
169 Windsor Avenue Sewer Rehabilitation	Asheville	28804	650	4/2/18 - 4/20/18	240566	631	4/24/2018	670	complete
Governors View Road @ Bull Mountain Road	Asheville	28805	785	4/2/18 - 5/16/18	238394	632	4/26/2018	1020	complete
Royal Pines @ Oak Terrace	Arden	28704	1000	4/25/18 - 5/18/18	237372	631	5/11/2018	993	complete
Waynesville Avenue Sewer Rehabilitation Ph. 1	Asheville	28806	2047	4/27/18 - 6/29/18	251622	632	6/14/2018	1678	complete
Royal Pines Drive at Mount Royal Drive	Arden	28704	1000	5/21/18 -6/15/18	247812	631	6/19/2018	1003	complete



CONSTRUCTION TOTALS BY DATE COMPLETED - Monthly

From 7/1/2017 to 5/31/2018

	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 2017	34	3	148	1,187	28	28	10,760	0	8	632	11	436	1076
August 2017	41	12	280	1,174	21	31	6,251	0	148	618	8	399	1165
September 2017	36	6	169	685	25	18	688	0	151	741	10	1,001	1893
October 2017	29	6	87	1,184	37	32	60	314	71	18	6	728	1131
November 2017	38	9	301	773	27	39	10,310	0	8	1043	13	428	1479
December 2017	22	9	120	879	31	26	10	0	432	8	6	1,697	2137
January 2018	36	11	131	859	21	19	541	0	194	992	7	0	1186
February 2018	33	17	400	1,033	17	35	240	0	70	402	8	323	795
March 2018	36	14	75	1,017	26	29	600	0	16	2418	14	622	3056
April 2018	28	13	67	1,064	27	30	1,748	0	247	1404	11	286	1937
May 2018	28	10	75	825	29	29	0	208	414	133	3	860	1615
Grand Totals	361	110	1,852	10,680	289	316	31,208	522	1759	8409	97	6,780	17470

* Used to calculate Total Rehab Footage



PIPELINE MAINTENANCE TOTALS BY DATE COMPLETED - Monthly

July 01, 2017 to May 31, 2018

	Main Line Wash Footage	Service Line Wash Footage	Rod Line Footage	Cleaned Footage	CCTV Footage	Smoke Footage	SL-RAT Footage
2017							
July	98,213	1,440	4,785	102,998	24,704	5,840	3,104
August	96,254	1,640	11,382	107,636	16,351	5,000	12,283
September	101,162	932	10,615	111,777	21,245	2,975	8,303
October	110,273	1,822	4,063	114,336	30,290	9,189	11,470
November	111,848	1,741	9,682	121,530	27,909	4,106	13,927
December	73,143	1,985	5,846	78,989	21,444	2,500	18,487
2018							
January	54,306	2,847	5,488	59,794	26,202	1,100	15,660
February	65,931	2,730	7,335	73,266	28,138	500	6,068
March	77,539	3,991	1,735	79,274	23,245	500	0
April	84,036	1,637	5,685	89,721	24,904	2,300	0
May	95,785	2,273	728	96,513	26,591	200	8,795
Grand Total:	968,490	23,038	67,344	1,035,834	271,023	34,210	98,097
Avg Per Month:	88,045	2,094	6,122	94,167	24,638	3,110	8,918



CUSTOMER SERVICE REQUESTS

Monthly - All Crews

CREW	MONTH	JOBS	AVERAGE RESPONSE TIME	AVERAGE TIME SPENT
DAY 1ST RESPONDER				
	July, 2017	93	32	31
	August, 2017	97	27	38
	September, 2017	104	33	50
	October, 2017	107	25	37
	November, 2017	110	23	35
	December, 2017	95	28	30
	January, 2018	137	26	30
	February, 2018	132	22	41
	March, 2018	125	28	41
	April, 2018	119	28	37
	May, 2018	127	25	32
		1,246	27	37
NIGHT 1ST RESPONDER				
	July, 2017	16	29	31
	August, 2017	8	16	60
	September, 2017	18	24	40
	October, 2017	20	23	35
	November, 2017	21	11	18
	December, 2017	16	18	33
	January, 2018	30	26	26
	February, 2018	28	32	39
	March, 2018	19	22	23
	April, 2018	21	17	20
	May, 2018	29	21	29
		226	22	30
ON-CALL CREW *				
	July, 2017	41	47	31
	August, 2017	31	41	57
	September, 2017	29	36	45
	October, 2017	48	51	35

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



CUSTOMER SERVICE REQUESTS Monthly - All Crews

CREW	MONTH	JOBS	AVERAGE RESPONSE TIME	AVERAGE TIME SPENT
ON-CALL CREW *				
	November, 2017	45	43	39
	December, 2017	70	50	37
	January, 2018	55	48	32
	February, 2018	53	47	43
	March, 2018	55	56	53
	April, 2018	38	38	37
	May, 2018	46	44	39
		511	47	40
Grand Totals:		1,983	31	37

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

CAPITAL IMPROVEMENT PROGRAM

STATUS REPORT SUMMARY

July 11, 2018

PROJECT	LOCATION OF PROJECT	CONTRACTOR	AWARD DATE	NOTICE TO PROCEED	ESTIMATED COMPLETION DATE	*CONTRACT AMOUNT	*COMPLETION STATUS (WORK)	COMMENTS
ELKWOOD AVENUE	Woodfin	Thomas Construction Company	9/20/2017	11/6/2017	9/1/2018	\$1,215,002.00	70%	Construction is progressing on Burnsville Hill.
HILL STREET	Asheville 28801	TBA	TBA	TBA	TBA	TBA	0%	Project was bid on July 6th. Terry Brothers is the apparent low bidder. Project will be presented at the July Board meeting.
HENDERSONVILLE ROAD @ ROSSCRAGGON DRIVE, PHASE 2	Arden	Terry Brothers Construction Company	1/17/2018	4/16/2018	9/13/2018	\$1,258,010.80	75%	Construction is progressing well.
JONESTOWN ROAD	Woodfin	Terry Brothers Construction Company	1/17/2018	2/12/2018	8/1/2018	\$725,002.10	98%	Final inspection and punchlist complete. Waiting on pipe videos for burst sections.
MEMORY LANE	Asheville 28805	Terry Brothers Construction Company	6/13/2018	TBD	TBD	\$626,774.80	0%	Contracts have been signed; ready to schedule a preconstruction meeting.
MOUNTAIN VIEW ROAD	Asheville 28805	Thomas Construction Company	2/21/2018	4/2/2018	7/31/2018	\$490,112.00	75%	Construction is progressing well.
PATTON HILL ROAD (4-INCH MAIN)	Swannanoa	Fuller & Company Construction	4/18/2018	5/29/2018	9/25/2018	\$227,415.11	0%	No work has started yet.
SCHOOL ROAD @ CRANFORD ROAD	Asheville 28806	Fuller & Company Construction	4/18/2018	5/29/2018	9/25/2018	\$116,949.44	60%	Mainline construction is complete; working on service connections.
SHEPPARD DRIVE	Asheville 28806	Fuller & Company Construction	4/18/2018	5/29/2018	9/25/2018	\$156,251.79	0%	No work has started yet.
SUTTON AVENUE	Black Mountain	Terry Brothers Construction Company	11/15/2017	1/15/2018	8/1/2018	\$1,083,072.68	96%	Re-paving underway; then final inspection.
WRF - PLANT HEADWORKS IMPROVEMENTS	Woodfin	Judy Construction Company	1/18/2017	4/3/2017	2/25/2019	\$9,249,442.97	65%	Ready to pour suspended floor slab for the Fine Grit Screening/Pista Grit. Piping for surge pump station 85% complete. Backfilling a portion of retaining wall. South bar screen change out in process.

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

Planning & Development Project Status Report

Active Construction Projects Sorted by Work Location and Project Number

June 27, 2018

#	Project Name	Project Number	Work Location	Zip Code	Units	LF	Pre-Construction Conference Date	Comments
1	Dillingham Woods	2014048	Asheville	28805	22	375	3/4/2015	Installing
2	First Baptist Relocation	2015032	Asheville	28801	Comm.	333	7/21/2015	Final Inspection complete, awaiting close-out docs
3	8 Sulphur Springs Road	2015116	Asheville	28806	6	80	11/22/2016	Final Inspection complete, awaiting close-out docs
4	Hampton Inn & Suites	2015144	Asheville	28806	Comm.	286	11/8/2016	Waiting on final inspection
5	Atkins Street	2016009	Asheville	28803	45	903	1/20/2017	Waiting on final inspection
6	Hounds Ear (Mears Ave Cottages)	2016123	Asheville	28806	18	402	8/18/2017	Pre-con held, construction not yet started
7	Lausch Subdivision	2016153	Asheville	28805	4	248	5/16/2017	Waiting on final inspection
8	The Peaks Shopping Center	2016175	Asheville	28805	4	850	5/11/2018	Pre-con held, construction not yet started
9	Hawthorne at Mills Gap	2016222	Asheville	28803	272	442	10/3/2017	Waiting on final inspection
10	Ashecroft	2016229	Asheville	28806	40	2,450	2/20/2018	Installing
11	Grindstaff Subdivision	2016246	Asheville	28805	4	132	6/23/2017	Final Inspection complete, awaiting close-out docs
12	Onteora	2017002	Asheville	28803	6	417	7/18/2017	Waiting on final inspection
13	Gerber Road Storage	2017049	Asheville	28803	Comm.	156	2/9/2018	Waiting on final inspection
14	RADTIP	2017052	Asheville	28801	0	919	2/13/2018	Installing
15	Panda Express	2017080	Asheville	28805	Comm.	100	9/8/2017	Waiting on final inspection
16	605 Fairview Road	2017103	Asheville	28803	10	380	5/18/2018	Installing
17	42 Old County Home Road	2017109	Asheville	28805	5	198	3/29/2018	Pre-con held, construction not yet started
18	Villa Heights	2017118	Asheville	28806	8	540	2/20/2018	Pre-con held, construction not yet started
19	Westover Hills	2017177	Asheville	28801	1	105	10/6/2017	Final Inspection complete, awaiting close-out docs
20	US 74 Commercial Development	2018010	Asheville	28803	4	265	5/25/2018	Pre-con held, construction not yet started
21	Alice Place Subdivision	2018066	Asheville	28803	19	480	6/19/2018	Pre-con held, construction not yet started
22	Ingles Smokey Park Highway	2018074	Asheville	28806	1	1,289	4/11/2014	Installing
23	West Keesler Avenue	2007176	Black Mountain	28711	6	410	11/15/2016	Final Inspection complete, awaiting close-out docs
24	808 Montreat Road	2015126	Black Mountain	28711	4	371	4/18/2017	Final Inspection complete, awaiting close-out docs
25	Tudor Croft (aka Roberts Farm) Ph.2	2016170	Black Mountain	28711	46	1,320	1/3/2017	Phase 2A inspected, waiting on closeout docs
26	Swannanoa Valley Christian Min.	2017043	Black Mountain	28711	12	195	8/1/2017	Final Inspection complete, awaiting close-out docs
27	Cherokee Trail	2017065	Black Mountain	28711	4	90	8/18/2017	Final Inspection complete, awaiting close-out docs
28	Peregrine's Ridge	2006160	Buncombe Co.	28730	14	635	11/8/2016	Final Inspection complete, awaiting close-out docs
29	Hyde Park Phase 2	2013058	Buncombe Co.	28704	14	500	12/3/2013	Waiting on final inspection
30	Creekside Cottages	2014095	Buncombe Co.	28704	7	504	3/12/2015	Waiting on final inspection
31	Avondale Subdivision	2015052	Buncombe Co.	28803	4	215	4/7/2017	Final Inspection complete, awaiting close-out docs
32	Bee Tree Village	2015158	Buncombe Co.	28778	26	1,118	3/17/2017	Waiting on final inspection
33	Skyland Exchange	2015217	Buncombe Co.	28704	292	1,090	2/7/2017	Waiting on final inspection
34	Newbridge Pkwy Apts. Phase II	2016013	Buncombe Co.	28804	154	1,368	10/27/2017	Waiting on testing
35	Weatherwood Subdivision	2016034	Buncombe Co.	28704	19	785	7/21/2017	Installing
36	Long Shoals Apts.	2016070	Buncombe Co.	28704	475	930	7/10/2017	Waiting on final inspection
37	Perry Lane Apartments	2016075	Buncombe Co.	28704	120	710	11/7/2017	Waiting on final inspection
38	The Preserve at Avery's Creek	2016089	Buncombe Co.	28704	141	4,000	6/16/2017	Installing
39	NC DOT I-5504 NC 191/I-26 Interchange	2016132	Buncombe Co.	28806	0	355	10/23/2017	Installing
40	New Salem Heights	2016192	Buncombe Co.	28778	25	816	2/13/2018	Installing
41	Biltmore Lake Block I, Phase 3	2016234	Buncombe Co.	28803	23	1,887	5/23/2017	Punchlist pending, awaiting closeout documents
42	The Ramble Block F, Phase 1	2017038	Buncombe Co.	28803	34	3,845	11/3/2017	Waiting on final inspection
43	South Cliff Village	2017041	Buncombe Co.	28730	34	1,345	9/1/2017	Waiting on final inspection
44	Curry Court - Habitat	2017086	Buncombe Co.	28715	12	557	4/13/2018	Waiting on testing
45	240 Old Farm School Road	2017112	Buncombe Co.	28805	4	340	2/9/2018	Punchlist pending, awaiting closeout documents
46	Baldwin Road Subdivision	2017138	Buncombe Co.	28704	68	1,740	3/28/2018	Testing
47	Rosscraggon Road Subdivision	2018048	Buncombe Co.	28704	4	370	4/20/2018	Installing
48	Greenwood Park Phase 1	2014067	Weaverville	28787	7	283	9/1/2015	Final Inspection complete, awaiting close-out docs
49	New Homes at North Main (Crittter)	2016052	Weaverville	28787	54	1,808	2/10/2017	Final Inspection complete, awaiting close-out docs
50	Starview Heights	2016184	Weaverville	28787	16	Private	1/12/2018	Waiting on testing
51	Wheeler Road	2017019	Weaverville	28787	72	1,535	3/28/2018	Testing
52	Mattera Subdivision	2017023	Weaverville	28787	6	264	11/3/2017	Final Inspection complete, awaiting close-out docs
53	Lake Louise	2017104	Weaverville	28787	4	80	12/15/2017	Waiting on final inspection
54	44 Central Ave	2017107	Weaverville	28787	7	275	10/27/2017	Testing
55	Lakeshore Drive	2017137	Weaverville	28787	4	70	10/27/2017	Final Inspection complete, awaiting close-out docs
56	Maple Trace Phase 2	2017160	Weaverville	28787	37	2,560	3/27/2018	Installing
57	Crest Mountain Phase 3B	2013041	Woodfin	28806	69	1,329	10/15/2013	Punchlist pending, awaiting closeout documents
58	Reese & Jan Lasher (High Hopes)	2015152	Woodfin	28806	14	320	4/26/2016	Final Inspection complete, awaiting close-out docs
59	Ventana Phase 2A	2016059	Woodfin	28806	8	900	2/17/2017	Final Inspection complete, awaiting close-out docs
60	Olivette Development-Phase 1 Gravity	2016065	Woodfin	28804	356	1,155	3/29/2018	Installing
61	Skyfin	2016205	Woodfin	28806	40	978	8/8/2017	Waiting on final inspection
62	Olivette Pump Station/Force Main	2016213	Woodfin	28804	356	1,740	2/27/2018	Pump station not started, Pilot bore under river
63	88 North Merrimon Avenue	2017196	Woodfin	28804	Comm.	455	5/11/2018	Installing
64	Greenwood Fields Phase 2	2018006	Woodfin	28804	158	2,200	3/9/2018	Waiting on final inspection
			TOTAL			3,197	52,423	