

BOARD OF THE METROPOLITAN SEWERAGE DISTRICT

April 20, 2022

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, April 20, 2022. Chairman Vahaun presided with the following members present: Ashley, Bryson, Dearth, Kelly, Lapsley, Manheimer, Pelly, Pennington, Pressley, Watts and Whitesides. Franklin and Wisler were absent.

Others present were William Clarke, General Counsel; Forrest Westall, PE, with McGill Associates; Patty Beaver with CIBO; Tom Hartye, Hunter Carson, Mike Stamey, Scott Powell, Ken Stines, 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 March 16, 2022 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the March 16, 2022, Board Meeting. Mr. Watts moved for approval of the minutes as presented. Ms. Bryson seconded the motion. Voice vote in favor of the motion was unanimous.

4. Discussion and Adjustment of Agenda: None.

5. Introduction of Guests:

Mr. VeHaun welcomed Patty Beaver with CIBO.

6. Informal Discussion and Public Comment: None.

7. Report of General Manager:

Mr. Hartye reported that the CIP Meeting will be held next week but Mike Stamey, MSD's Construction Director and Hunter Carson, Engineering Director, will give a short update on MSD's ongoing construction. This current fiscal year budget for construction is \$30.6 Million while the current 10-year budget is \$353 Million. Next week that budget will be bumped up to \$384 Million.

Mike Stamey reported on collection system projects undertaken by MSD In-House crews, presenting slides of the locations and work. The White Oak Road Phase II Sewer Rehabilitation Project is located in Arden adjacent to Hendersonville Road and the Perry Lane Apartment Complex. Construction by MSD In-House Crews began March 4, 2022, includes a little over 1,100 linear feet of rehabilitation and is on-going. As of April 8, 2022, the project is 70% complete with over 800 feet of mainline sewer installed. The second project Mr. Stamey reported on was the Emergency River Crossing Replacement at Warren Wilson College. A leak was discovered in an 8-inch line crossing the Swannanoa River. This was discovered over the weekend and staff by-pass pumped until the pipe could be replaced. This work consisted of replacing approximately 155 linear feet across the river utilizing

conventional cofferdam construction. Mr. Stamey also reported that Staff also completed a project on Lotus Place in North Asheville and participated in Evergreen Community Charter School Education Day. Kindergarteners were asked to find a job they were interested in, learn about it, and do a report. Aiwyn wanted to learn about pipes underground. Aiwyn and his Mom, Laurel Thompson came to the job site on Lotus Place where he observed a pipe being installed and a line being tv'd. This was a good experience for him and MSD Staff as well. Mr. Stamey then presented the current Status Report showing all in-house CIP Projects for this current fiscal year, showing completed projects, projects that are under construction and projects ready for construction. To date, MSD In-House Crews have completed 9,211 linear feet of rehabilitation and worked at 19 project sites. Mr. Stamey then reported on Contractor work with MSD's Inspections Group. West Crabapple Lane Sewer Rehabilitation Project is located in the Beaverdam Area of North Asheville. The estimated project cost is \$329,675.00. TP Howard's Plumbing Company, Inc. is the Contractor. This is their first project with MSD of this magnitude in the collection system and they have done a great job. The project consisted of 1,774 linear feet of 8-inch DIP and HDPE. The work began in December of 2021 and the project is wrapping up at this time. Another project was the Bryson Street Sewer Rehabilitation Project. This project is located in Biltmore and Terry Brothers Construction was the Contractor. The estimated cost was \$309,630.00 and included installing 500 linear feet of 8-inch DIP. The project started in August of 2021 and is complete with the exception of final pavement. The City of Asheville has a project to replace the waterline up this stretch, so MSD is working with the DOT and the City of Asheville for cost share paving once the City of Asheville's work is complete.

Hunter Carson reported that his construction update includes the French Broad River Water Reclamation Facility and the Carrier Bridge Pump Station. The first project is the High-Rate Primary Clarification Project. This project has been ongoing for about three years. The process removes solids and organics from the wastewater upstream of the RBC's (Rotating Biological Contactors). This is a High-Rate System and has a tight footprint. What makes that happen is the addition of various chemicals which promote fast settling of solids. The new system is designed to treat 80 mgd (million gallons per day). This is currently in the start-up phase and is a \$17.1 Million project. The Actiflo process was chosen and he presented slides showing the typical process. Wastewater enters the coagulation basin where alum (coagulant) and polymer are added. The wastewater particles bind together with the addition of the chemicals and form a "floc". Water then moves into the maturation basin where a sand ballast is added. The sand embeds itself into that floc creating a very dense particle which then settles out in the settling basin. He presented an aerial view of the various buildings, sand pumps, and a video of the process. Mr. Carson then reported on the Intermediate Clarifier Piping Replacement Project. The old pipe was installed in the late 1980's. In March of 2020 we experienced a pipe failure and as a result, shut down the clarifier system for about a day. The project was designed and managed by MSD. This project was completed approximately two months ago with a total project cost of \$206,000. Mr. Carson then reported on the Equipment Storage Facility. This is a replacement building for the Nutra-Lime Facility which was destroyed by fire in November of 2020. This building will be for storage of vehicles and various equipment. There will be two buildings. One will be an open-

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air building to store trailers, various vehicles, pumps, etc. and there will be an enclosed portion as well. The Notice to Proceed was issued on March 28, 2022, to Cooper Construction. This is anticipated to be a one-year project with a cost of \$3.2 Million. The pre-engineered metal building is expected to arrive in July so by late Fall that building should be erected. The concrete slab that was underneath the old Nutra-Lime Facility, despite being exposed to fire, was in good condition so it will be reused. That saves quite a bit of money for the District. The new building will be on top of the existing footprint. Mr. Carson then reported on the RBC Slide Gate Replacement Project. There are many slide gates at the Treatment Plant. They move up and down and block flow from coming into the RBC Basins. These gates are critical if you have to shut basins down to dewater them for any operations and maintenance work. The existing aluminum gates are severely corroded due to the nature of the wastewater. They will be replaced with new stainless-steel gates. This project will be phased with the first phase beginning tomorrow. The total project cost is approximately \$680,000.00. It was designed and will also be managed by MSD In-House Engineering Staff. Mr. Carson then reported on the Incinerator Polymer System Replacement Project. The existing system is about 30 years old and in poor condition. Due to the nature of delivery times with equipment and material these days, the equipment for the project went out for bids in July 2021, and delivery is expected in several weeks. The total project cost is \$352,000.00. The project was designed by MSD In-House Engineering Staff and will be installed by MSD In-House Staff. Mr. Carson then reported on the French Broad Interceptor @ Amboy Road Project. This project is to replace 1,100 linear feet of existing 54-inch Reinforced Concrete Pipe. In January of 2021, MSD experienced a failure of some of the pipe downstream of the force main, which comes over from the Carrier Bridge Pump Station. There is a lot of turbulence when the force main enters the pipe, it suspends hydrogen sulfide, which then corrodes concrete pipe. This pipe will be replaced with RFP (Reinforced Fiberglass Pipe). Due to the long lead times, Staff would like to purchase the pipe now. This is an item on today's Consolidated Motion Agenda. Delivery of the pipe is expected in October and the project will then go immediately into construction to take advantage of the slower times on that portion of the greenway. The project cost is approximately \$3.8 Million. Mr. Carson passed around a sample of the RFP and a sample of the material that will be used for lining the manholes. Ms. Manheimer asked where the pipe will be going. Mr. Carson stated this is a dig and replace and is about 15-feet deep. He pointed out the location of the line on the map, which will run on the bank next to the river and stated that there will be by-pass pumps in place because the existing pipe has to be removed. Mr. Carson then reported on the Carrier Bridge Pump Station Replacement. This project is located across the river from the project just discussed. This is MSD's largest pump station, constructed in 1966. Carrier Bridge Pump Station serves South and West Buncombe County and North Henderson County. The existing station capacity is at 22 mgd and will be upsized to 40 mgd. The project is currently in design by HDR and construction is anticipated for the Fall of 2023 with a 2-year construction timeframe. The project cost is \$42 Million. This project is located adjacent to the old pump station and the French Broad River Park. Along with the new pump station there will be new inlet and outlet piping to and from the station. The 60-inch pipe will be a new inlet to feed the station and on the effluent side of the station there will be two 36-inch pressurized force mains that will come across the river. Staff has evaluated different ways to get across the river and is currently in the process of talking to the Army Corp of Engineers and Division of Environmental Quality about

an open cut across the river. Due to this project being in a heavily used area next to the park, this will be an enclosed pump station with a carbon scrubber odor control system. Staff is trying to get information on these last two projects out in front of the public now so there is signage on the greenway side and information on MSD's website. Ms. Manheimer stated that there are proposed pedestrian improvements for the existing Amboy Bridge and that it was too bad the pedestrian bridge didn't work out. Mr. Carson stated that the pedestrian bridge was evaluated and there were concerns from an operation and maintenance standpoint. The pipe would be buried but then you would have to get up onto a bridge which equates to about a 20-25-foot vertical rise in the pipe so there were concerns about debris, gravel, etc. settling in the pipe and not being able to get that out. The bridge was certainly heavily vetted, not saying it is totally out, but Staff is looking at the open cut option. The bridge would also add a significant cost as well, approximately \$2-\$3 Million extra. There was some further discussion regarding fencing, lighting, and other safety features. Mr. Pelly asked how they would open cut. Mr. Carson stated that there would be a coffer dam out into the river, basically a horseshoe to block half of the river, dewater and open cut. It is a typical dig and replace but it's not typical in the sense that you are in the middle of the river. Mr. Lapsley asked Mr. Carson to remind the Board how deep this station is. Mr. Hartye stated it is about 70-feet. Mr. Carson stated that they are trying to shallow that up because ultimately this station will be fed by a new gravity interceptor through the Biltmore Estate. We will have to come across the river upstream of Carrier Bridge now. We are also trying to open cut that section of pipe which will also in turn would shallow up Carrier Bridge Pump Station by about 20-feet. You are looking at 50-feet at a minimum or close to 70-feet depending on how we are able to cross the river. Mr. Hartye stated that this is the biggest project we have had, other than the Plant. Mr. Hartye thanked Mr. Stamey and Mr. Carson for the presentation.

Mr. Hartye reported that as part of developing the preliminary budget, the Personnel Committee will meet on April 26th at 9 am to consider Cost of Living/Merit pay and Benefit Allocations, including the Self-Funded Medical and Dental Program. The CIP Committee will meet on April 28th at 9:00 am to consider the Ten-Year Capital Improvement Program and the FY 2023 Construction Budget. The Finance Committee will meet on May 3rd at 9 am to consider a Preliminary Budget with an updated 10-year Business Plan which will incorporate the recommendations from the other Committees along with the proposed FY2023 Operating Budget and Sewer Rates.

Mr. Hartye reported that attached are 2 AC-T articles regarding MSD.

Mr. Hartye reported that the next regular Board Meeting will be held on May 18th at 2 pm. The next Right of Way Committee meeting will be held on May 25th at 9 am.

8. Consolidated Motion Agenda:

a. Consideration of Bids for French Broad Interceptor @ Amboy Road Rehabilitation – 60-inch Pipe Purchase:

Mr. Hartye reported that the French Broad Interceptor @ Amboy Road Project is for the pipe purchase that Mr. Carson went over in his presentation and consists of replacing approximately 1,100 linear feet of 48-inch and 54-inch RCP with new 60-inch corrosion-resistant pipe. Staff wanted to purchase this pipe last winter but due to supply chain issues and timing, could not get the pipe. Construction is planned for Winter of 2022/2023 when traffic will be slower on the greenway. On Thursday, March 31, 2022, three bids were received as follows: Fortiline Waterworks (PVC C900 Pipe) in the amount of \$913,922.46; Thompson Pipe Group Pressure, Inc. (FRP Pipe) in the amount of \$765,000.00; and Hobas Pipe USA (FRP Pipe) in the amount of \$571,880.00. The apparent low bidder is Hobas Pipe USA with a bid amount of \$571,880.00. There are funds in the FY 21-22 Construction Budget for this project. Staff recommends award of this contract to Hobas Pipe USA in the amount of \$571,880.00, subject to review and approval by District Counsel.

b. ARPA Resolution – Candler Area Sewer Extension:

Mr. Hartye reported that at the July 21, 2021 MSD Board meeting, this Board voted to endorse the Candler Area Sewer Extension Project and move forward with budgeting and resources contingent upon Buncombe County securing the required funding. Based on a preliminary estimate the project cost is approximately \$11.1 Million. According to MSD Policy, we will contribute about \$2.1 Million. On behalf of Buncombe County, MSD agreed to apply for American Rescue Plan Act (ARPA) grant monies from the State of North Carolina to lessen the County's financial obligation towards this project. The Spring ARPA application is due May 2, 2022 and requires each applicant to submit an executed Resolution by the Governing Body. The attached Resolution serves as a commitment by the applicant (MSD) to secure funding for all remaining costs of the project if loan and/or grant monies are awarded. Prior to acceptance of funds from the State of North Carolina, MSD will require Buncombe County to execute an agreement for all remaining funding and loan repayment as required by this resolution. Staff recommends the attached Resolution by adopted.

c. Consideration of Developer Constructed Sewer Systems – Holbrook Road Ph. 2; Rice Mobile Home Park Off-Site; Rowhouse Development; Towne Place Suites:

Mr. Hartye reported that the Holbrook Road Subdivision Phase 2 Project is located in Buncombe County and included extending approximately 670 linear feet of 8-inch public gravity sewer to serve the 17-unit homes for this phase of the development.

Mr. Hartye reported that the Rice Mobile Home Park Project included extending approximately 460 linear feet of 8-inch public gravity sewer to serve the 130 mobile homes.

Mr. Hartye reported that the Rowhouse Development Project is located along Broadway Street in the City of Asheville and included extending approximately 357 linear feet of 8-inch public gravity sewer and replacing approximately 166

linear feet of 8-inch public gravity sewer to serve the 20-townhomes associated with this development.

Mr. Hartye reported that the Towne Place Suites Project is located along Elm Street in the City of Asheville and included relocating approximately 399 linear feet of 8-inch public gravity sewer to serve the 83-room hotel.

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

d. Cash Commitment Investment Report – Month ended February, 2022:

Mr. Powell reported that Page 28 presents the makeup of the District's Investment Portfolio. There has been no change in the makeup of the portfolio from the prior month. Page 29 presents the MSD Investment Manager's report as of the month of February. The weighted average maturity of the investment portfolio is 67 days and the yield to maturity is 0.25%. Page 30 presents the MSD Analysis of Cash Receipts. Domestic User Fees are considered reasonable based on timing of cash receipts and historical trends. Industrial User Fees are considered reasonable taking into consideration a temporary increase in revenue from one industrial user. Facility and Tap Fees are above budgeted expectations due to receiving revenue from various developers. Page 31 presents the MSD Analysis of Expenditures. O&M, Debt Service, and Capital Project expenditures are considered reasonable based on historical trends and timing of cash expenditures. Page 32 presents the MSD Variable Debt Service Report. The 2008A Series Bond is performing at budgeted expectations. As of the end of March, both issues have saved the District rate payers approximately \$7.0 Million in debt service. There were no questions.

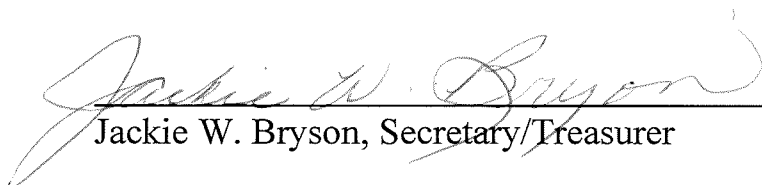
With no further discussion, Mr. VeHaun called for a motion to approve the Consolidated Motion Agenda. Mr. Pelly moved; Mr. Whitesides seconded the motion. Roll call vote was as follows: 12 ayes, 0 nays.

9. Old Business: None.

10. New Business: None.

11. Adjournment:

With no further business, Mr. VeHaun called for adjournment at approximately 3:45 pm.


Jackie W. Bryson, Secretary/Treasurer

MSD

Regular Board Meeting

Metropolitan Sewerage District
of Buncombe County, NC

AGENDA FOR 4/20/2022

✓	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 March 16, 2022 Board Meeting	VeHaun	2:10
	03. Discussion and Adjustment of Agenda	VeHaun	2:15
	04. Introduction of Guests	VeHaun	2:20
	05. Informal Discussion and Public Comment	VeHaun	2:25
	06. Report of General Manager	Hartye	2:30
	07. Consolidated Motion Agenda	Hartye	2:45
	a. Consideration of Bids for French Broad Interceptor @ Amboy Road Rehabilitation– 60-Inch Pipe Purchase	Hartye	
	b. ARPA Resolution – Candler Area Sewer Extension	Hartye	
	c. Consideration of Developer Constructed Sewer Systems – Holbrook Road Ph. 2; Rice Mobile Home Park Off-Site; Rowhouse Development; Town Place Suites	Hartye	
	d. Cash Commitment/Investment Report-Month ended February, 2022	Powell	
	08. Old Business	VeHaun	3:00
	09. New Business:	VeHaun	3:05
	10. Adjournment: (Next Meeting 5/18/22)	VeHaun	3:10
	STATUS REPORTS		

BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
March 16, 2022

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, March 16, 2022. Chairman Vebaun presided with the following members present: Ashley, Bryson, Dearth, Franklin, Kelly, Manheimer, Pennington, Pressley, Watts, Whitesides and Wisler. Lapsley and Pelly were absent.

Others present were William Clarke, General Counsel; Forrest Westall, PE, with McGill Associates; Tom Hartye, Scott Powell, 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 January 19, 2022 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the January 19, 2022, Board Meeting. Mr. Watts moved for approval of the minutes as presented. Mr. Whitesides seconded the motion. Voice vote in favor of the motion was unanimous.

4. Discussion and Adjustment of Agenda:

None.

5. Introduction of Guests:

None.

6. Informal Discussion and Public Comment:

None.

7. Report of General Manager:

Mr. Hartye reported that MSD's consultant is currently finalizing the Compensation Study for District Employees. Typically, MSD rolls the recommendations of this study into the benefits considerations (including cost of living adjustments and health benefits) as a part of the budget process. With the current fuel cost increases and ongoing inflation, the lowest paid employees are struggling, and MSD is finding it hard to keep and fill these positions. We are intending to implement a partial adjustment of \$1/hour increase for the bottom 22 positions. Having seen the preliminary information from the study, these positions would be adjusted at least this much come July, but we feel the need is for those folks to get this partial adjustment now.

Mr. Hartye reported that as part of developing the preliminary budget, the Personnel Committee will meet on April 26th to consider Cost of Living/Merit pay

and Benefit Allocations, including the Self-Funded Medical & Dental Program. The CIP Committee will meet on April 28th to consider an update of the Ten-Year Capital Improvement Program and the FY 2023 Construction Budget. The Finance Committee will meet on May 2nd to consider a Preliminary Budget with an updated 10-year Business Plan which will incorporate the recommendations from the other Committees along with the proposed FY2023 Operating Budget and Sewer Rates.

Mr. Hartye stated that Mr. Watts asked him to mention that MSD is involved in some COVID testing at the plant. This is being done in partnership with the Health Department, CDC, and the State of North Carolina. There are about 30 sites involved across North Carolina. Mr. Hartye reported that they send out trending data and he has a print-out of the last trending data if anyone would like to see it. Ms. Wisler asked if this was common. Mr. Hartye stated that you can only get general trend information. Unfortunately, we don't have as good testing above ground as below ground. Mr. Kelly stated that there has been a lot of that on TV and asked if what MSD was finding is consistent with what you see nationally? Mr. Hartye stated yes, the general trend is the same as you can see on the graph with MSD's information. It shows the last Omicron peak. It's not quite as defined as the above ground testing. Ms. Manheimer commented that on NPR they were saying they might use it as forecasting for waves that might be coming. Mr. Hartye stated that if the virus goes away and you continue testing, if it comes back in the Fall, you could be alerted by the testing.

Mr. Hartye reported that the next regular Board Meeting will be held on April 20th at 2 pm. The next Right of Way Committee meeting will be held on April 27th at 9 am.

8. Report of Committees:

a. Right of Way Committee – January 26, 2022

Mr. Kelly reported that the Right of Way Committee met on January 26, 2022, to discuss routine recommendations for the Board. Ms. Manheimer was excused from voting on Item III. as shown in the Right of Way Committee Minutes, due to a conflict of interest, and will be excused from voting on this item today. There were no questions.

9. Consolidated Motion Agenda:

a. Consideration of Condemnation – Aurora Drive GSR

Mr. Hartye reported that there were seven (7) contacts with this owner. Staff and Right of Way Committee recommend authority to obtain appraisal and proceed with condemnation, if necessary.

b. Consideration of Compensation Budgets – Albemarle Commons Pump Station Elimination; Sweeten Creek @ Buck Shoals Road GSR; Wynne Street @ Mountain Street GSR:

Mr. Hartye reported that Staff and Right of Way Committee recommend approval of these Compensation Budgets.

c. Consideration of Developer Constructed Sewer Systems – Abundance Run; Amaranth Apartments; Milos Orchard; Third Street Cottages; Town Place by Marriott:

Mr. Hartye reported that the Abundance Run Subdivision Project is located in the City of Asheville and included rehabilitating approximately 159 linear feet of 8-inch public gravity sewer and extending approximately 316 linear feet of 8-inch public gravity sewer to serve the 16-unit residential subdivision.

Mr. Hartye reported that the Amaranth Apartments Project is located in the City of Asheville and included extending approximately 674 linear feet of 8-inch public gravity sewer to serve the 70-unit apartment complex.

Mr. Hartye reported that the Milos Orchard Project is located in the Town of Woodfin and included extending approximately 163 linear feet of 8-inch public gravity sewer to serve the 4-unit residential development.

Mr. Hartye reported that the Third Street Cottages Phase 1 Project is located in the City of Asheville and included relocating approximately 114 linear feet of 8-inch public gravity sewer to serve the 4-unit residential development.

Mr. Hartye reported that the Town Place by Marriott Project is located in the City of Asheville and included extending approximately 262 linear feet of 8-inch public gravity sewer to serve the 106-room hotel.

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

d. Second Quarter Budget to Actual Review FY2022:

Mr. Powell reported that Page 31 presents the District's Second Quarter Budget to Actual Revenue and Expenditure Report. Domestic and Industrial Revenue are at budgeted expectations taking into consideration the timing of cash receipts. Facility and Tap Fees are above budgeted expectations due to receiving unanticipated revenue from various small developments. Interest and miscellaneous income are at budgeted expectations. O&M expenditures are at 52.81% of budget. They include encumbered amounts of approximately \$900,000.00. These amounts will be spent in future months throughout the rest of the fiscal year. Bond principal and interest expenditures are reflected at 50%. Actual amount spent as of the end of the second quarter is 16.9%. This will aid the user to properly assess debt service commitments on a budgetary perspective. This is due to the timing of the District's debt service payments. Amounts budgeted for capital equipment and capital projects are rarely expended proportionately throughout the year. Due to the timing of capital projects, this amount is considered reasonable.

e. Cash Commitment Investment Report – Month ended January, 2022:

Mr. Powell reported that Page 34 presents the makeup of the District's Investment Portfolio. There has not been a significant change in the makeup of the portfolio from the prior month. Additionally, the makeup of the portfolio is in accordance to the District's Investment Policy. Page 35 presents the MSD Investment Manager's report as of the month of January. The weighted average maturity of the investment portfolio is 60 days and the yield to maturity is 0.10%. Page 36 presents the District's Analysis of Cash Receipts. Domestic User Fees are considered reasonable based on timing of cash receipts and historical trends. Industrial User Fees are considered reasonable taking into consideration a temporary increase in revenue from one industrial user. Facility and Tap Fees are above budgeted expectations due to receiving revenue from various developers. Page 37 presents the District's Analysis of Expenditures. O&M, Debt Service, and Capital Project expenditures are considered reasonable based on timing of O&M expenditures and Capital Projects. Page 38 presents the District's Variable Debt Service Report. The 2008A Series Bond is performing at budgeted expectations. As of the end of February, both issues have saved the District rate payers approximately \$7.0 million in debt service since April, 2008. There were no questions.

f. Consideration of Auditing Services Contract FY2022:

Mr. Powell reported that Cherry Bekaert continues to provide excellent service and commits to work hard to control expenses, and pass on any additional savings to the District. For the FY 2022 engagement Cherry Bekaert has proposed a fee of \$41,000.00. Staff recommends approval of the FY2022 Audit Contract with Cherry Bekaert, LLP. Next fiscal year 2023, the District will be going out for RFQ's to see if there is anyone that can provide the service that Cherry Bekaert provides. Ms. Franklin asked how often the District entertains RFQ's for the audit contract. Mr. Powell stated that it is typically based on the level of service. The District makes certain that whoever performs our audit, and it has been Cherry Bekaert for a considerable amount of time, that they continue to change Staff, Managers and Partners on the engagement. Other entities might go out every four or five years and that gives them that level. Cherry Bekaert is probably one of the biggest accounting firms who do governmental audits. Specifically, they have a niche in the utility market and since that is somewhat specialized and it's not just a general governmental audit, we believe if we continue to have them change staffing on the audit engagement, we have fresh eyes on the engagement, they bring up new things. Mr. Powell stated that he can assure that with the last 2-3 years with changing of staff and COVID, they have asked a lot of different questions from previous auditors. Mr. Hartye stated that there is not quite the selection as there would be for other entities here, for general governmental accounting opposed to utility enterprise, so they really have that corner on the market but the District will continue to go out to see if there is anyone else who has that type of experience.

There was no further discussion.

Mr. VeHaun reported that Ms. Manheimer is excused from voting on Item 08.a. Consideration of Condemnation – Aurora Drive GSR., of the Consolidated Motion Agenda, due to a conflict of interest. He then called for a motion to approve this item. Mr. Kelly moved; Mr. Watts seconded the motion. Roll call vote was as follows: 11 ayes, 0 nays.

Mr. VeHaun then called for a motion to approve Items 08.b.–08.f. of the Consolidated Motion Agenda. Mr. Kelly moved; Ms. Wisler seconded the motion. Roll call vote was as follows: 12 ayes, 0 nays.

10. Old Business: None.

11. New Business: None.

12. Adjournment:

With no further business, Mr. VeHaun called for adjournment at approximately 2:19 pm.

Jackie W. Bryson, Secretary/Treasurer



MEMORANDUM

TO: MSD Board
FROM: Thomas E. Hartye, P.E., General Manager
DATE: April 14, 2022
SUBJECT: Report from the General Manager

- Construction Update

Hunter Carson and Mike Stamey will give a brief update of MSD's ongoing construction. This current fiscal year budget for construction is \$30,622,532, while the projected 10-year budget is currently \$353.5 Million.

- FY 2023 Budget Process and Committee Meetings

As a part of developing the preliminary budget, the Personnel Committee will meet on April 26th at 9am to consider Cost of Living/ Merit pay and Benefit Allocations (i.e., Self-Funded Medical & Dental Program). The CIP Committee will meet on April 28th at 9am to consider an update of the Ten-Year Capital Improvement Program and the FY 2023 Construction Fund Budget. The Finance Committee will meet May 2nd at 9am to consider a Preliminary Budget with an updated 10-year Business Plan which will incorporate the recommendations from the other Committees along with the proposed FY2023 Operating Budget and Sewer Rates.

- AC-T Articles

Attached are 2 AC-T articles regarding MSD.

- Board/Committee Meetings/Events

The next Regular Board Meeting will be held on May 18th at 2 pm.
The next Right of Way Committee meeting will be held on May 25th at 9am

MOUNTAINS

COVID testing at wastewater plant? Biltmore security?



Answer Man
John Boyle
Asheville Citizen Times
USA TODAY NETWORK

Today's batch of burning questions, my smart-aleck answers and the real deal:

Question: While thankfully we're having a respite from having to take precautions against the COVID-19 virus, the highly contagious BA.2 subvariant is stealthily making its way into the U.S. One good indicator is wastewater tracking. Experts say that pieces of the virus collected in wastewater can serve as advance warning several days before official case counts rise. Do the Asheville/Buncombe County officials monitor virus upticks in our wastewater?

My answer: If so, I bet at the end of the day these testers are really pooped.

Real answer: The Metropolitan Sewerage District of Buncombe County is the largest wastewater treatment plant in the area. Located in Woodfin, the plant handles wastewater from much of Buncombe County and parts of Henderson County.

"MSD is involved in COVID testing of wastewater at our plant," General Manager Tom Hartye said via email. "This is being done in partnership with the Health Department, CDC, and the state of North Carolina."

About 20 sites statewide are doing the testing.

The most recent report Hartye sent me a link for was for data as of March 23. It read in part: "MSD of Buncombe County Report Summary: Most recent sample: Percent change (15 day window): +165.1%. Second most recent sample: Percent change (15 day window): +198.5%."

The testing finds the SARS-CoV-2 virus, which causes COVID-19.

While the increase above seems pretty high, Buncombe County Public Health Director Stacie Saunders said April 5 it is not cause for alarm.

"It does appear that we are seeing an increase in the wastewater monitoring, but this increase is in the context that these are very low levels and any rise and fall in the levels may cause larger swings in the percentages," Saunders said via email.

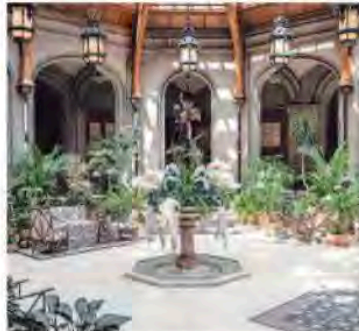
The state updates these tests every week, by the way, so there is more current data.

The state website explains the testing process:

"To better understand COVID-19 in



The Metropolitan Sewerage District of Buncombe County is participating in a statewide COVID-19 virus testing program. The treatment plant is in Woodfin.
ANGELI WRIGHT/ASHEVILLE CITIZEN TIMES



A reader asks about having to go through multiple security scanners at the Biltmore Estate. This file photo shows the first floor atrium.
MAYA CARTER/ASHEVILLE CITIZEN TIMES

North Carolina, North Carolina Department of Health and Human Service is testing samples of wastewater from select wastewater treatment plants across the state to look for SARS-CoV-2, the virus that causes COVID-19. People with COVID-19 shed viral particles in their stool. These viral particles are pieces of the SARS-CoV-2 virus, which causes COVID-19 when still intact. In wastewater, the particles are no longer infectious but can still be measured. Testing wastewater for these viral particles allows us to track COVID-19 trends among people contributing to the wastewater. Data from these sites serve as a supplemental metric to understand the im-

pacts of COVID-19 at the community level.

"Participating wastewater utilities collect a wastewater sample (24-hour mixture, or composite) twice per week. Wastewater samples are analyzed in the laboratory to determine the amount of SARS-CoV-2 virus that is present. The amount of SARS-CoV-2 virus, measured as viral gene copies, can indicate if COVID-19 is increasing or decreasing in a community."

As we noted in a story April 6, Buncombe's COVID-19 case count is plateauing at an almost historical low, county health officials are decreasing public updates and vaccines are becoming more available to those who need them most.

Question: We just got back from an early meander around the Biltmore gardens, something we like to do fairly frequently, being passholders. Since our last visit, security has changed. Again. Visitors are now funneled through buildings with scanners of some kind, just to get from the parking lot onto the property. Many of the pathways which wandered the gardens are closed off, and to get back from the gardens to your car you have to be screened again. This means that although we have no interest in visiting the house, we have to walk through two of these buildings for scanning. May one ask why? Clearly, "security" will be their answer, but for those of us who just come to look at the grounds, it interferes with the experience, and frankly during COVID seems

like a poor idea. Screened twice to not go into the house, and once to go in? Someone thinks that makes sense? Why?

My answer: Clearly, these two-for-one deals on scanning were not the greatest marketing plan ever.

Real answer: Well, Biltmore answered this question with more words than just "security," but it doesn't offer much in the way of an explanation. But there's a reason for that...

"While we do not broadly discuss the specifics of our security procedures to avoid compromising their effectiveness, we do continuously work to refine our security screening process," estate spokeswoman Marissa Jamison said via email. "We value this feedback that has been shared and the commitment we receive from our Passholders. It helps to improve our process as we strive to balance offering an exceptional experience on the estate with implementing industry standard screening procedures."

While most of us probably don't think a lot about security or possible terrorism at places like the Biltmore Estate, these venues and facilities have to. Terrorists consider many of these places "soft targets," and the U.S. Department of Homeland Security addressed this in a 2018 report titled, "Soft Targets and Crowded Places Security Plan Overview."

It reads in part:

"Soft Targets and Crowded Places (ST-CPs) are locations that are easily accessible to large numbers of people and that have limited security or protective measures in place making them vulnerable to attack. ST-CPs can include, but are not limited to, schools, sports venues, transportation systems or hubs, shopping venues, bars and restaurants, hotels, places of worship, tourist attractions, theaters, and civic spaces. ST-CPs do not have to be buildings and can include open spaces such as parks and pedestrian malls."

And this:

"Preventing attacks against ST-CPs and reducing impacts of attacks that do occur is a shared mission among many stakeholders, including the general public; ST-CP owners and operators; private industry; State, local, tribal, and territorial (SLTT) partners; and the Federal government."

So trust me, I'm sure a team of folks at Biltmore think about this stuff a lot. Yes, the inconvenience is annoying, but they're doing it for a reason.

This is the opinion of John Boyle. To submit a question, contact him at 232-5847 or jboyle@citizen-times.com

MOUNTAINS

Any chance for water/sewer in Enka?



Answer Man
John Boyle
Asheville Citizen Times
USA TODAY NETWORK

Today's batch of burning questions, my smart-aleck answers and the real deal:

Question: There's A LOT of construction, both residential and commercial, going on in the Enka/Candler area. Are these new developments getting sewer service, or are they building new septic systems? If the new construction is getting sewer services, will it be available to existing residents who have septic systems? If not, why not? For that matter, how about new construction projects in other parts of Buncombe? Are they getting sewers, or will they rely on septic systems?

My answer: At this point, I think it's safe to say there's A LOT of construction going on in America, in general, everywhere. I woke up yesterday morning and a new Dollar General was in my yard.

Real answer: As it stands now, "The furthest extent of sewer into Candler terminates around the Indian Branch Road area running both north and south of Smokey Park Highway," according to Buncombe County Planning Director Nathan Pennington.

Pennington did note that the Buncombe County Metropolitan Sewerage District, which handles wastewater for much of Buncombe County and some of northern Henderson, is "in the process of identifying and applying for grant funds related to the extension of sewer service."

"Candler, specifically, has been stud-

ied and extensions in this area can largely be accommodated through gravity systems," Pennington said via email. "One of the major components of the ongoing Buncombe County comprehensive plan is infrastructure. As part of the plan, we will be studying future sewer infrastructure expansion into unincorporated Buncombe County."

At the end of 2021, Buncombe County embarked on a two-year program to get input and create a long-range comprehensive plan. County staff is working with residents, local leaders, groups, and stakeholders to create the 20-year plan, which you can find out more about here:

<https://www.buncombecounty.org/comprehensive-plan-2043/>.

The state requires local government to have a comprehensive plan. Buncombe's plan will look at "the relationships between land uses, infrastructure, such as roads and utilities and community needs, and can impact how and where a community grows over time. It seeks to include broad, equitable, and diverse public engagement from residents across all areas of the county."

Now, back to the reader's more specific questions.

"Larger residential subdivisions and density-rich multi-family developments and commercial developments largely cannot make projects work without public sewer and water," Pennington said. "For those types of development, sewer is extended where feasible, and the costs are shouldered by the developer."

Some cost-sharing policies are in place, but Pennington said, generally speaking, "MSD is not positioned to speculatively extend sewer lines."

"If sewer is not available, then septic and other proprietary systems have to be utilized," Pennington said. "Some commercial developments in our more rural areas utilize systems known as 'package plants,' which treat wastewater and then discharge the treated water into an approved above or underground area."

The North Carolina Department of Environmental Quality permits those systems, Pennington noted.

MSD General Manager Tom Hartye said Pennington covered the issue well. "If they have something more specific like a particular project, then we can respond with what is going on at a particular spot, i.e. if there is a sewer extension involved," Hartye said.

WLOS-News 13 audio followups: Last week, I fielded a question from a WLOS viewer who had some audio issues with their broadcasts. The station's general manager suggested it may be a problem with a multichannel video programming distributor — the services that distribute or provide multiple television channels, such as Comcast, DISH, DirecTV, etc.

One reader emailed me to say she was "chuckling over your column this morning about WLOS news broadcasts."

"Many of the problems could not be due to issues with MVPDs. First of all, the problems occur only during the local news," she wrote, citing an on-air personality having some microphone issues that affected audio.

Another reader emailed to say the question I got regarding audio getting lost "was spot on" and "is getting worse by the week."

"Especially noticeable during WLOS news broadcasts during the day, from 5



Wastewater is treated at the Metropolitan Sewerage District's water reclamation on Oct. 9, 2018.

ANGELI WRIGHT/ASHEVILLE CITIZEN TIMES

p.m.-6:30 p.m., and the 11 o'clock news," he wrote. "The audio from the people in the studio is excellent, but the audio of the news commentators outside of the studios, or the audio from ABC news or the audio from those that are 'Zooming' in, is barely audible. Thank goodness for closed captioning."

Another reader noted that she is on track to fix the problem, but she needed to get a "smart TV" for a better connection. Her provider has made changes to the streaming method that required the higher-grade TV.

Maybe some of this will help. Trust me, I'm not one to cast aspersions at another news outlet, and I watch WLOS pretty often myself.

So, happy viewing!

This is the opinion of John Boyle. To submit a question, contact him at 232-5847 or jboyle@citizen-times.com

Metropolitan Sewerage District of Buncombe County

BOARD ACTION ITEM

BOARD MEETING DATE: April 20, 2022

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

PREPARED BY: Hunter Carson, P.E. – Director of Engineering
Darin Prosser, P.E. – Project Manager

SUBJECT: Consideration of Bids: French Broad Interceptor at Amboy Road Sanitary Sewer Rehabilitation Project – *60-Inch Pipe Purchase*
MSD Project No. 2021036

BACKGROUND: The French Broad Interceptor at Amboy Road Sanitary Sewer Rehabilitation project is located along Lyman Street (Wilma Dykeman Greenway) between Amboy Road and Foundy Street. The project consists of replacing approximately 1,100 LF of existing 48 and 54-inch RCP with new 60-inch corrosion-resistant pipe. The existing line was installed in 1966 and is in poor condition due to hydrogen sulfide corrosion. The deterioration caused a pipe failure in January 2021 that required a point repair.

Due to recent material shortages and manufacturing limitations, the DISTRICT is pre-purchasing the pipe separate from the construction contract to allow for adequate time to fabricate and deliver the pipe. Construction is planned for Winter '22/'23 and will be bid under separate contract.

On Thursday, March 31, 2022, three bids were received at 2:00pm and the bid results were read aloud. Results were as follows:

<u>Supplier</u>	<u>Bid</u>
1) Fortiline Waterworks (PVC C900 Pipe)	\$913,922.46
2) Thompson Pipe Group Pressure, Inc. (FRP Pipe)	\$765,000.00
3) Hobas Pipe USA (FRP Pipe)	\$571,880.00

The apparent low bidder is Hobas Pipe USA with a bid amount of \$571,880.00. The engineer's estimate was \$700,000.00. This will be the first rehabilitation project that the DISTRICT has undergone with Hobas Pipe and glass-fiber-reinforced pipe (FRP). FRP is routinely specified and installed in large diameter sewer applications across the United States and the world. In North Carolina alone, Hobas has manufactured approximately 400,000 LF of large diameter FRP for municipalities including Charlotte Water, Raleigh Water, City of Durham, and City of Winston-Salem.

FISCAL IMPACT: The FY21-22 construction budget for this project is \$3,800,000.00. The budget represents pipe purchase and installation. Due to lengthy pipe fabrication and lead times; however, construction had to be postponed. Appropriate funds will be re-budgeted for FY 22-23.

STAFF RECOMMENDATION:

Staff recommends award of this contract to Hobas Pipe USA in the amount of **\$571,880.00**, subject to review and approval by District Counsel.


METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, NORTH CAROLINA

**French Broad Interceptor at Amboy Road Sewer Rehabilitation
Project No. 2021036, 60-Inch Pipe Purchase**

**BID TABULATION
March 31, 2022**

BIDDER	Bid Forms (Proposal)	TOTAL BID AMOUNT
Fortiline Waterworks Asheville, NC	No	\$913,922.46
Thompson Pipe Group Pressure, Inc. Rialto, CA	Yes	\$765,000.00
Hobas Pipe USA Houston, TX	Yes	\$571,880.00

APPARENT LOW BIDDER


Darin Prosser, 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 31st day of March, 2022, 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.

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

BUDGET DATA SHEET - FY 2021 - 2022

PROJECT: French Broad Interceptor @ Amboy Rd.	LOCATION: Asheville
TYPE: Interceptor	PIPE RATING: N/A
PROJECT NO.: 2021036	TOTAL LF: 2,180
PROJECT BUDGET: \$3,885,000.00	PROJECT ORIGIN: Line Condition

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/20	EST. COST JAN - JUNE 2021	BUDGET FY 21-22
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN				
55330 - DESIGN				
55340 - PERMITS	\$10,000.00			\$10,000.00
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS				
55370 - LEGAL FEES				
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION				
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$3,800,000.00			\$3,800,000.00
55430 - CONST. CONTRACT ADM.	\$60,000.00			\$60,000.00
55440 - TESTING	\$10,000.00			\$10,000.00
55450 - SURVEY - ASBUILT	\$5,000.00			\$5,000.00
TOTAL AMOUNT	\$3,885,000.00	\$0.00	\$0.00	\$3,885,000.00

ENGINEER: HDR	DP	ESTIMATED BUDGETS - FY 23- 31	
R.O.W. ACQUISITION:	# PLATS: [0]	FY 22-23	\$0.00
CONTRACTOR:		FY 23-24	\$0.00
CONSTRUCTION ADM.: MSD		FY 24-25	\$0.00
INSPECTION: MSD		FY 25-26	\$0.00
		FY 26-27	\$0.00
PROJECT DESCRIPTION: This project is located along Lyman Street between Amboy Rd and Foundy St. The project includes replacement of approximately 2,180 LF of existing 48 and 54-inch RCP with new 60-inch C900 PVC. The existing lines in this area are in poor condition due to deterioration from hydrogen sulfide . A sink hole occurred in January of 2021 due to the deterioration of the pipe walls. The design budget for this project is under the associated project 2019045 Carrier Bridge Pump Station Replacement Project.		FY 27-28	\$0.00
		FY 28-29	\$0.00
		FY 29-30	\$0.00
		FY 30-31	\$0.00

SPECIAL PROJECT NOTES:



**French Broad Interceptor at Amboy Road
Project No. 2021036**

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: April 20, 2022

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

PREPARED BY: Hunter Carson, P.E. – Director of Engineering

SUBJECT: ARPA Resolution – Candler Area Sewer Extension
MSD Project No. 2022071

BACKGROUND:

At the July 21, 2021 MSD Board meeting, the Board of Directors voted to endorse the Candler Area Sewer Extension project and move forward with budgeting and resources contingent upon Buncombe County securing the required funding. Based on preliminary cost estimates the project cost is approximately \$11.1M. MSD will contribute \$2.1M (for capacity reimbursement, ROW acquisition and design services) per MSD policy for Extension of Sewer Service.

On behalf of Buncombe County, MSD agreed to apply for American Rescue Plan Act (ARPA) grant monies from the State of North Carolina to lessen the County's financial obligation towards the project. The Spring 2022 ARPA application is due May 2, 2022 and requires each applicant to submit an executed Resolution by the Governing Body. The Resolution serves as a commitment by the applicant (MSD) to secure funding for all remaining costs of the project if loan and/or grant monies are awarded. The Resolution also includes a commitment to provide sufficient funds to operate and maintain the ARPA-funded infrastructure, as well as an agreement of loan repayment terms, if applicable.

Prior to acceptance of funds from the State of North Carolina, MSD will require Buncombe County to execute an agreement for all remaining funding and loan repayment as required by this resolution.

STAFF RECOMMENDATION: Staff recommends the attached Resolution be adopted.

RESOLUTION BY GOVERNING BODY OF APPLICANT

- WHEREAS, The Federal Clean Water Act Amendments of 1987 and the North Carolina Water Infrastructure Act of 2005 (NCGS 159G) have authorized the making of loans and grants to aid eligible units of government in financing the cost of construction of wastewater collection system upgrades and
- WHEREAS, The Metropolitan Sewerage District has need for and intends to construct a wastewater collection system improvement project entitled "Candler Area Sewer Line Extension," and
- WHEREAS, The Metropolitan Sewerage District intends to request State loan and/or grant assistance for the project,

NOW THEREFORE BE IT RESOLVED, BY THE BOARD OF METROPOLITAN SEWERAGE DISTRICT:

That Metropolitan Sewerage District, the **Applicant**, will arrange financing for all remaining costs of the project, if approved for a State loan and/or grant award.

That the **Applicant** will adopt and place into effect on or before completion of the project a schedule of fees and charges and other available funds which will provide adequate funds for proper operation, maintenance, and administration of the system and the repayment of all principal and interest on the debt.

That the governing body of the Applicant agrees to include in any associated loan agreement a provision authorizing the State Treasurer, upon failure of the Metropolitan Sewerage District to make scheduled repayment of the loan, to withhold from the Metropolitan Sewerage District any State funds that would otherwise be distributed to the local government unit in an amount sufficient to pay all sums then due and payable to the State as a repayment of the loan.

That the **Applicant** will provide for efficient operation and maintenance of the project on completion of construction thereof.

That Thomas Hartye, General Manager, the **Authorized Official**, and successors so titled, is hereby authorized to execute and file an application on behalf of the **Applicant** with the State of North Carolina for a loan and/or grant to aid in the study of or construction of the project described above.

That the **Authorized Official**, and successors so titled, is hereby authorized and directed to furnish such information as the appropriate State agency may request in connection with such application or the project: to make the assurances as contained above; and to execute such other documents as may be required in connection with the application.

That the **Applicant** has substantially complied or will substantially comply with all Federal, State, and local laws, rules, regulations, and ordinances applicable to the project and to Federal and State grants and loans pertaining thereto.

Adopted this the 20th day of April, 2022 at 2028 Riverside Drive, Asheville, NC 28804.

(Signature of Authorized Official)

(Title)

CERTIFICATION BY RECORDING OFFICER

The undersigned duly qualified and acting (title of officer) of the Metropolitan Sewerage District does hereby certify: That the above/attached resolution is a true and correct copy of the resolution authorizing the filing of an application with the State of North Carolina, as regularly adopted at a legally convened meeting of the Board of the Metropolitan Sewerage District duly held on the 20th day of April, 2022; and, further, that such resolution has been fully recorded in the journal of proceedings and records in my office. IN WITNESS WHEREOF, I have hereunto set my hand this _____ day of _____, 2022.

(Signature of Recording Officer)

(Title of Recording Officer)

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: April 20, 2022

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

REVIEWED BY: Hunter Carson, P.E. - Engineering Director

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Holbrook Road Subdivision Phase 2 Sewer Extension, MSD Project No. 2020150

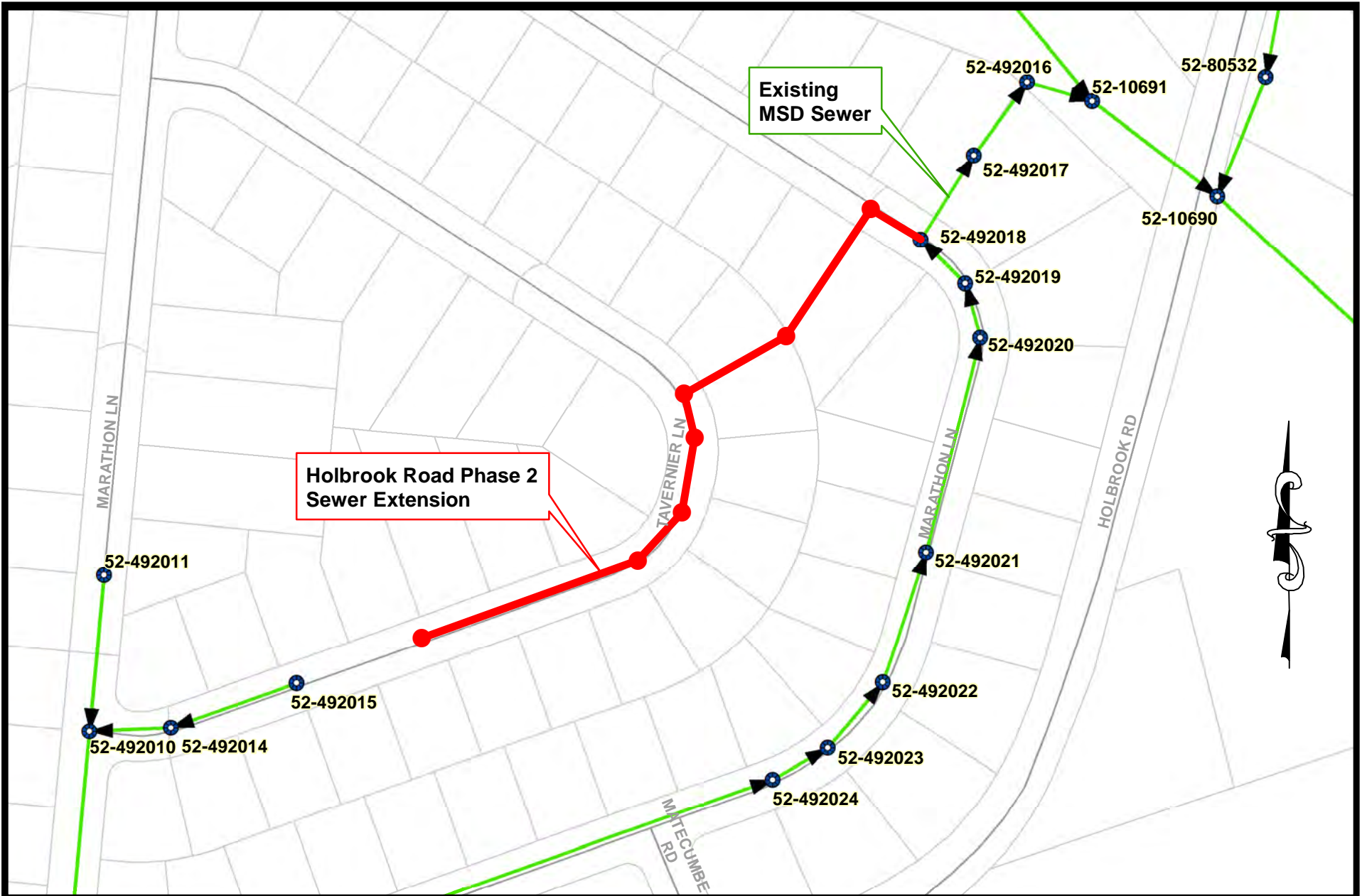
BACKGROUND: This project is located inside the District boundary off Holbrook Road in Buncombe County. The developer of the project is Brian Young of the Serviette Group, LLC.

The project included extending approximately 670 linear feet of 8-inch public gravity sewer to serve the Single-Family Residential Development.

A wastewater allocation was issued in the amount of 5,100 GPD for the seventeen (17) homes associated with this phase of the development. The estimated cost of the sewer construction is \$73,264.00.

All MSD requirements have been met.

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



MSD
Engineering Division

**Holbrook Road Phase 2 Sewer Extension
MSD Project # 2020150**

Metropolitan Sewerage District of Buncombe County

03/16/2022

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: April 20, 2022

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

REVIEWED BY: Hunter Carson, P.E. - Engineering Director

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Rice Mobile Home Park Off-Site Sewer Extension, MSD Project No. 2019029

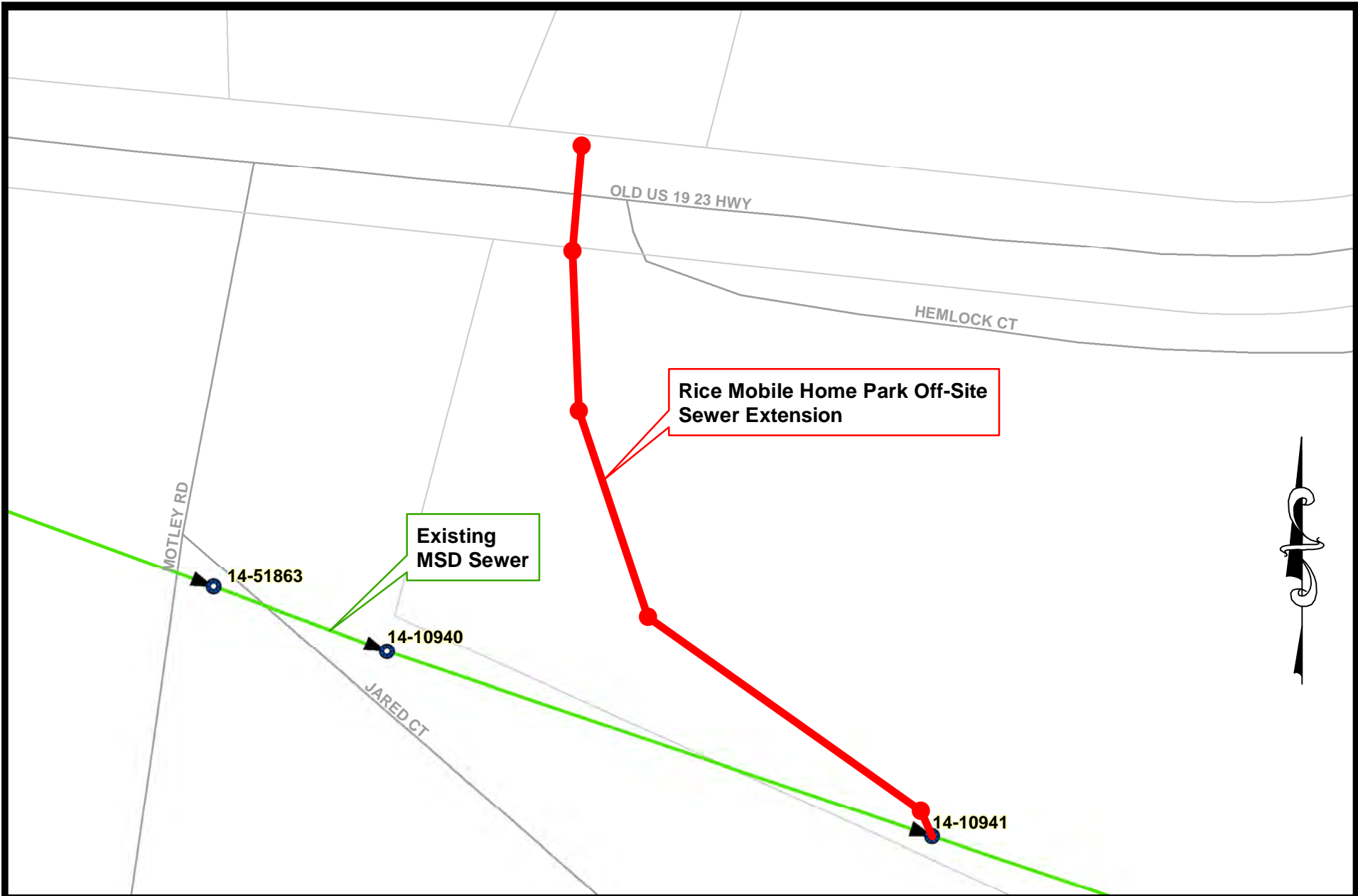
BACKGROUND: This project is located inside the District boundary along Old US 19/23 Highway in Buncombe County. The developer of the project is Rick Wrenn of WI/Indian Branch LLC.

The project included extending approximately 460 linear feet of 8-inch public gravity sewer to reach the site of the future Residential Development.

A wastewater allocation was issued in the amount of 26,000 GPD for the 130 Mobile Homes planned for this development. 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.



MSD
Engineering Division

**Rice Mobile Home Park Off-Site Sewer Extension
MSD Project # 2019029**

Metropolitan Sewerage District of Buncombe County

04/07/2022

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: April 20, 2022

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

REVIEWED BY: Hunter Carson, P.E. - Engineering Director

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Rowhouse Development Sewer Extension, MSD Project No. 2018205.

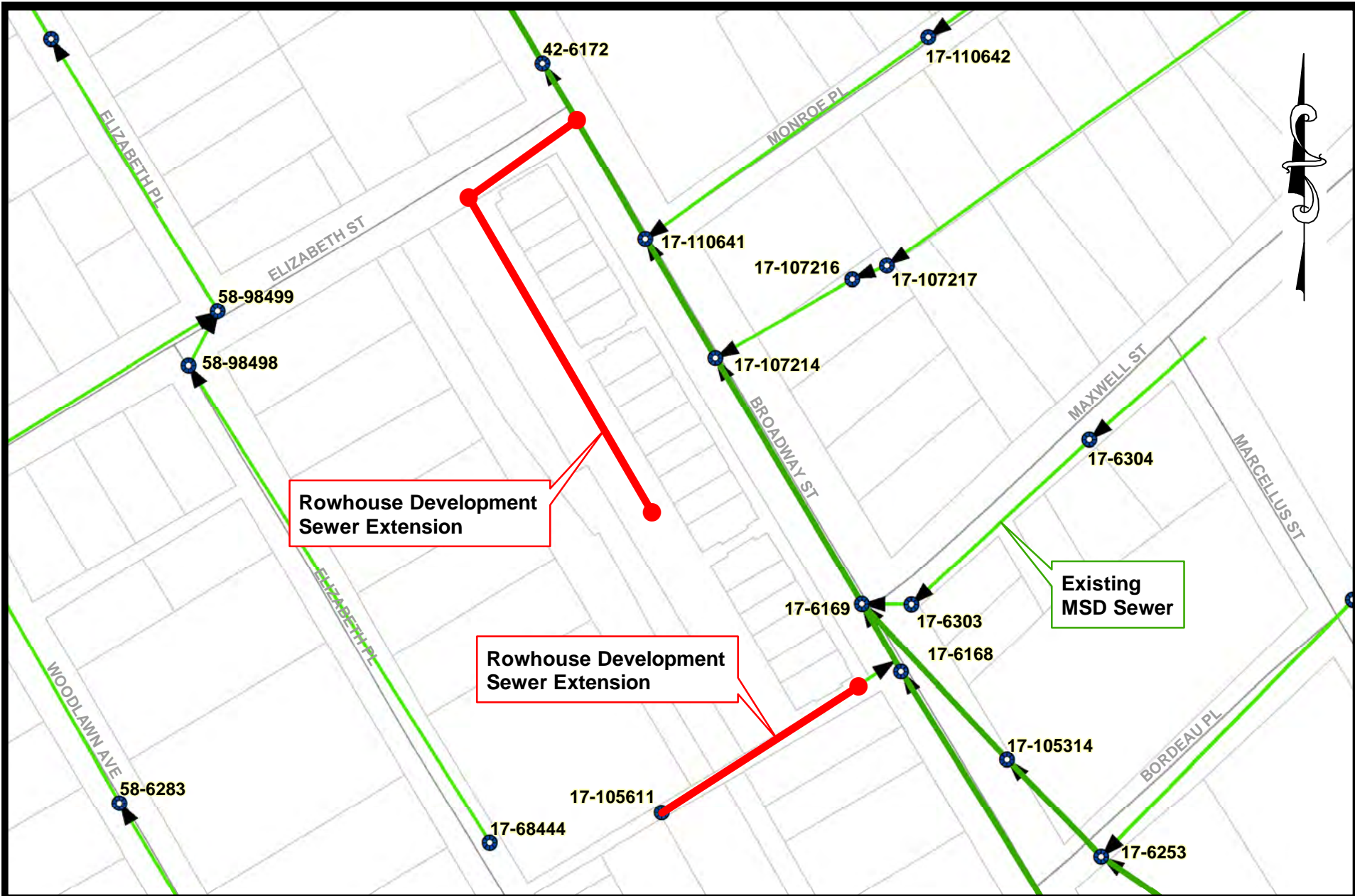
BACKGROUND: This project is located inside the District boundary along Broadway Street in the City of Asheville. The developer of the project is Kevin Kerr of Boulevard Development Group, LLC.

The project included extending approximately 357 linear feet of 8-inch public gravity sewer and replacing approximately 166 linear feet of 8-inch public gravity sewer to serve the Single-Family Residential Development.

A wastewater allocation was issued in the amount of 4,000 GPD for the twenty (20) townhomes associated with this development. The estimated cost of the sewer construction is \$121,770.00.

All MSD requirements have been met.

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



Rowhouse Development Sewer Extension

Rowhouse Development Sewer Extension

Existing MSD Sewer



MSD
Engineering Division

**Rowhouse Development Sewer Extension
MSD Project # 2018205**

Metropolitan Sewerage District of Buncombe County

04/06/2022

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: April 20, 2022

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

REVIEWED BY: Hunter Carson, P.E. - Engineering Director

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

SUBJECT: Acceptance of Developer Constructed Sewer System for the Towne Place Suites Sewer Extension, MSD Project No. 2016012.

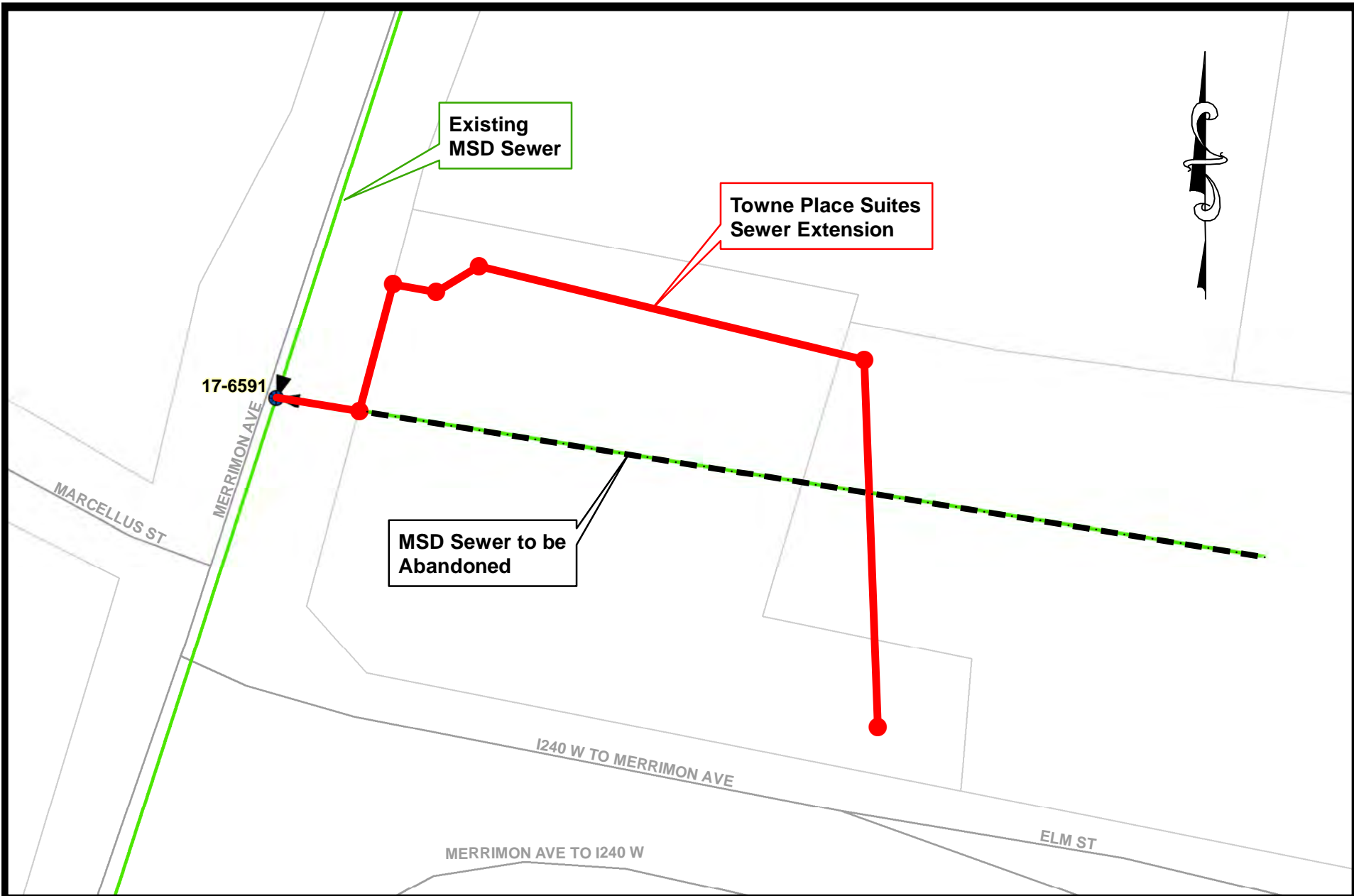
BACKGROUND: This project is located inside the District boundary along Elm Street in the City of Asheville. The developer of the project is Jayesh Patel of Asheville Property Inc.

The project included relocating approximately 399 linear feet of 8-inch public gravity sewer along with abandoning approximately 360 linear feet of public gravity sewer to serve the Commercial Development.

A wastewater allocation was issued in the amount of 10,368 GPD for the eighty-three (83) room hotel. 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

**Towne Place Suites Sewer Extension
MSD Project # 2016012**

Metropolitan Sewerage District of Buncombe County

04/06/2022

Metropolitan Sewerage District of Buncombe County

BOARD INFORMATIONAL ITEM

Meeting Date: April 20, 2022
 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 February 28, 2022

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 February 28, 2022 were \$78,383,948. The detailed listing of accounts is available upon request. The average rate of return for all investments is 0.245%. 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 February 28, 2022 do not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of February 28, 2022 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is \$33,592,308.

Total Cash & Investments as of 02/28/2022		78,383,948
Less:		
Budgeted Commitments (Required to pay remaining FY22 budgeted expenditures from unrestricted cash)		
Construction Funds	(21,920,758)	
Operations & Maintenance Fund	<u>(7,999,958)</u>	
		(29,920,716)
Bond Restricted Funds		
Bond Service (Funds held by trustee):		
Funds in Principal & Interest Accounts	(10,802)	
FY22 Principal & Interest Due	<u>(7,963,845)</u>	
		(7,974,647)
District Reserve Funds		
Fleet Replacement	(665,010)	
Pump Replacement	(194,336)	
WWTP Replacement	(259,487)	
Maintenance Reserve	<u>(1,026,802)</u>	
		(2,145,635)
District Insurance Funds		
General Liability	(428,689)	
Worker's Compensation	(431,619)	
Post-Retirement Benefit	(2,296,830)	
Self-Funded Employee Medical	<u>(1,593,506)</u>	
		<u>(4,750,642)</u>
Designated for Capital Outlay		<u><u>33,592,308</u></u>

Meeting Date: April 20, 2022

Subject: Cash Commitment/Investment Report-Month Ended February 28, 2022

Page 2

Staff Recommendation

None - Information Only.

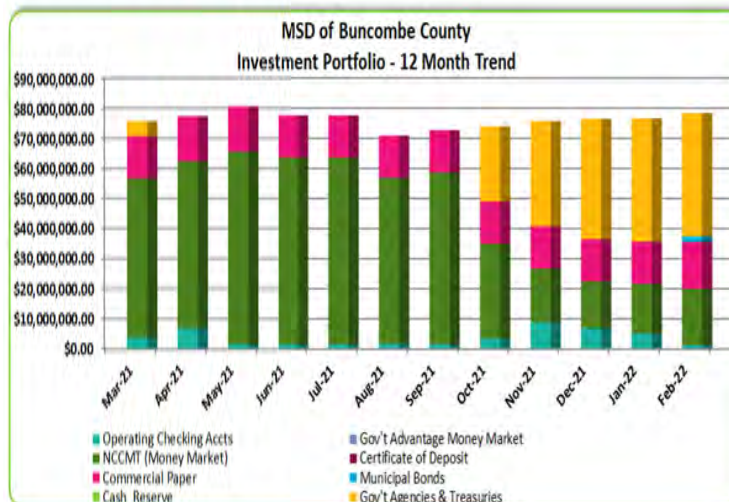
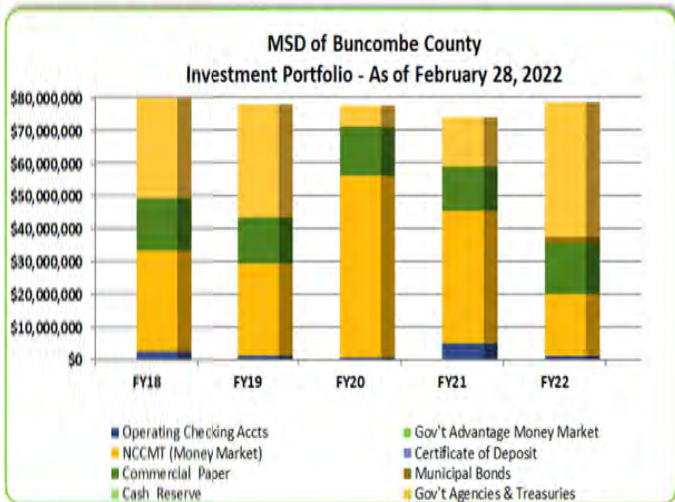
Action Taken

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

Metropolitan Sewerage District of Buncombe County
Investment Portfolio

	Operating Checking Accounts	Gov't Advantage Money Market	NCCMT (Money Market)	Certificate of Deposit	Commercial Paper	Municipal Bonds	Cash Reserve	Gov't Agencies & Treasuries	Total
Held with Bond Trustee	\$ -		\$ 10,802			\$ -	\$ -		\$ 10,802
Held by MSD	1,246,930	46,695	18,756,677	-	15,485,376	1,860,000		40,977,468	78,373,146
	\$ 1,246,930	\$ 46,695	\$ 18,767,479	\$ -	\$ 15,485,376	\$ 1,860,000	\$ -	\$ 40,977,468	\$ 78,383,948

Investment Policy Asset Allocation	Maximum Percent	Actual Percent	
U.S. Government Treasuries, Agencies and Instrumentalities	100%	52.28%	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 .25 % is exceeding the YTM benchmark of the NCCMT Government Portfolio.
Commercial Paper	20%	19.76%	
Municipal Bonds	100%	2.37%	
North Carolina Capital Management Trust	100%	23.94%	
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		1.59%	
Gov't Advantage Money Market		0.06%	



Meeting Date: Meeting Date: April 20, 2022

Subject: Cash Commitment/Investment Report-Month Ended February 28, 2022

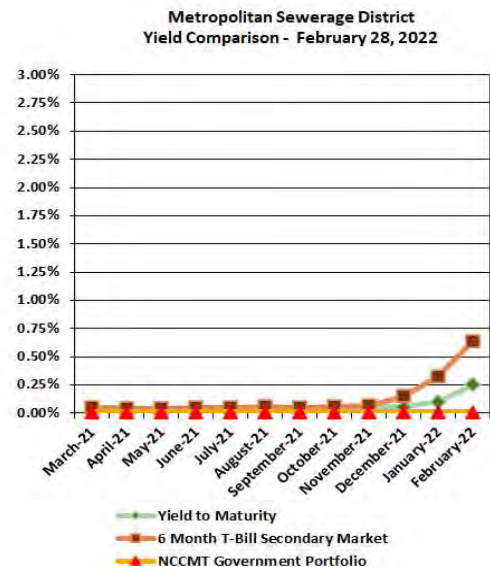
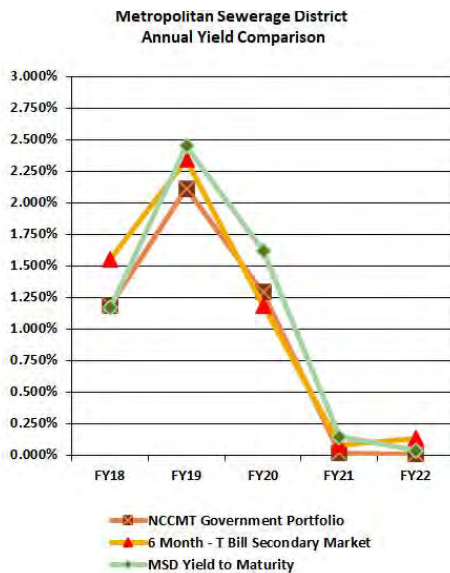
Page 4

Metropolitan Sewerage District Investment Managers' Report On February 28, 2022

Summary of Asset Transactions			
	Original Cost	Market	Interest Receivable
Beginning Balance	\$ 66,586,522	\$ 66,586,218	\$ 796
Capital Contributed (Withdrawn)	5,620,916	5,620,916	
Realized Income	895	895	(796)
Unrealized/Accrued Income		1,051	1,088
Ending Balance	<u>\$ 72,208,333</u>	<u>\$ 72,209,080</u>	<u>\$ 1,088</u>

Value and Income by Maturity		
	Original Cost	Income
Cash Equivalents <91 Days	\$ 69,209,812	\$ 2,145
Securities/CD's 91 to 365 Days	2,998,521	93
Securities/CD's > 1 Year	-	-
	<u>\$ 72,208,333</u>	<u>\$ 2,238</u>

Month End Portfolio Information	
Weighted Average Maturity	67
Yield to Maturity	0.25%
6 Month T-Bill Secondary Market	0.64%
NCCMT Government Portfolio	0.01%

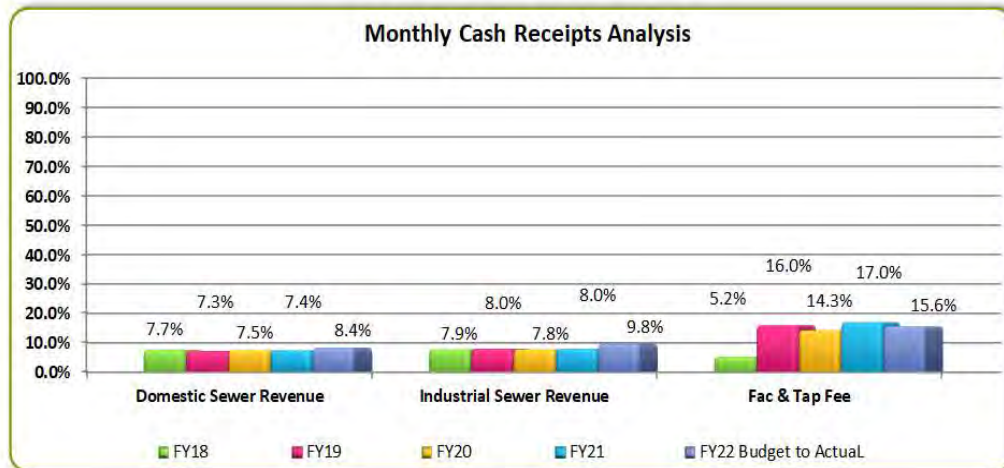


Meeting Date: Meeting Date: April 20, 2022

Subject: Cash Commitment/Investment Report-Month Ended February 28, 2022

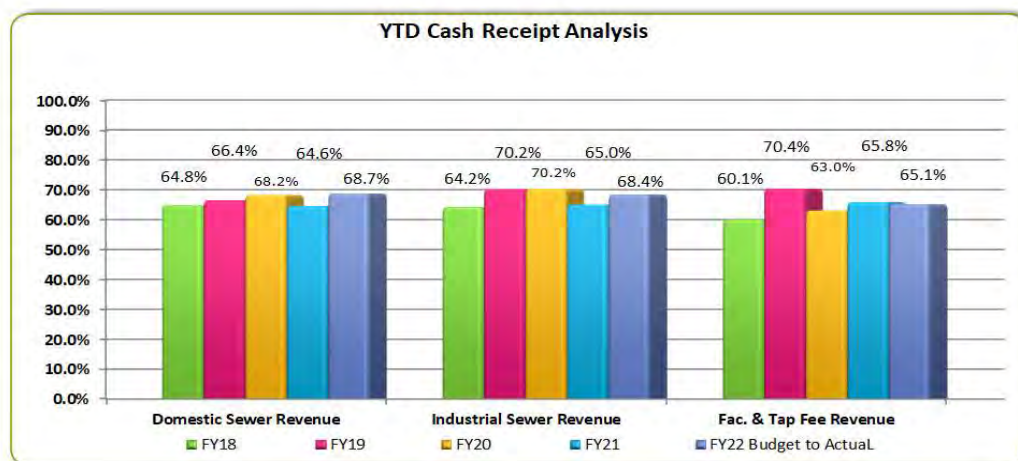
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Metropolitan Sewerage District Analysis of Cash Receipts As of February 28, 2022



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:

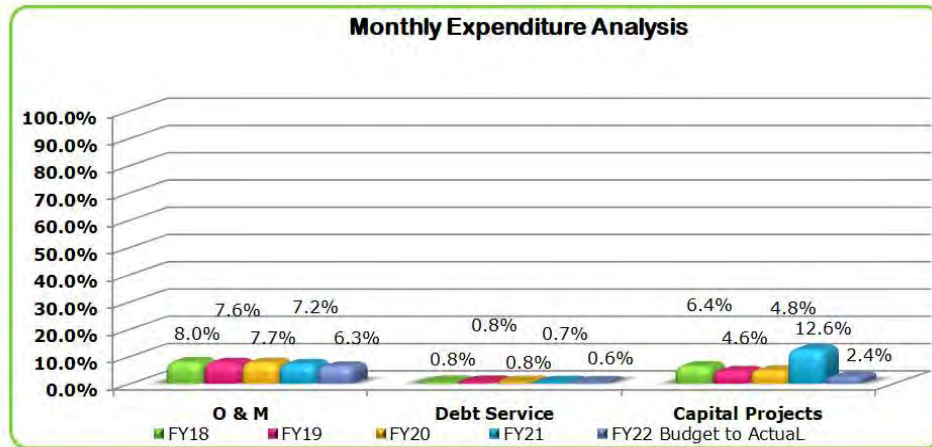
- * YTD domestic sewer revenue is considered reasonable based on historical trends.
- * YTD industrial sewer revenue is reasonable based on historical trends.
- * Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap fee revenue reasonable.

Meeting Date: Meeting Date: April 20, 2022

Subject: Cash Commitment/Investment Report-Month Ended February 28, 2022

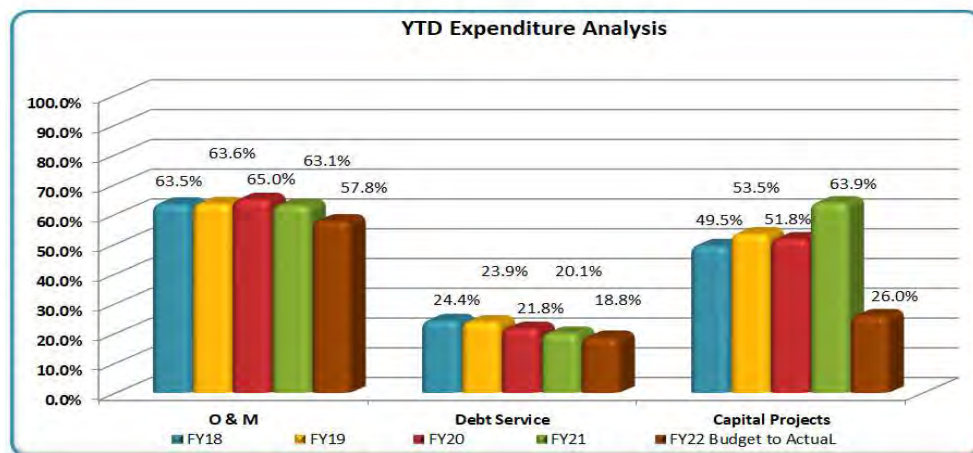
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Metropolitan Sewerage District Analysis of Expenditures As of February 28, 2022



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:

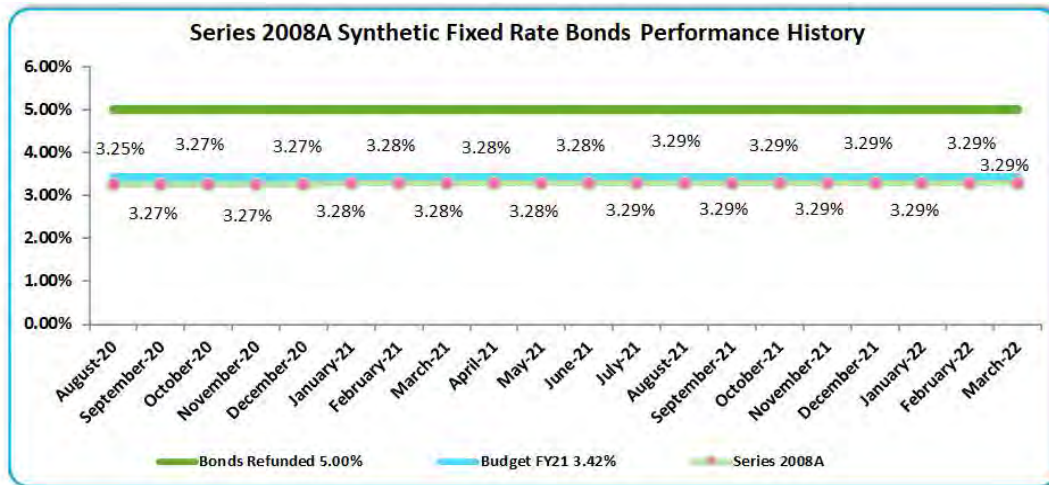
- * YTD O&M expenditures are considered reasonable based on historical trends.
- * Due to the nature of the variable rate bond market, YTD expenditures can vary year to year. Based on current variable interest rates, YTD debt service expenditures are considered reasonable.
- * Due to nature and timing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

Meeting Date: Meeting Date: April 20, 2022

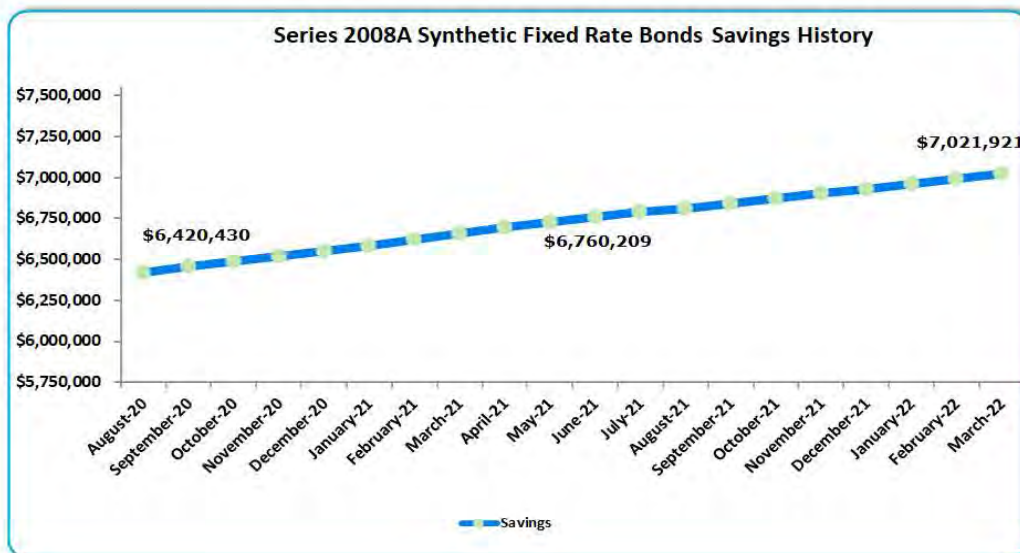
Subject: Cash Commitment/Investment Report-Month Ended February 28, 2022

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Metropolitan Sewerage District Variable Debt Service Report As of March 31, 2022



Series 2008A:



- * Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$7,021,921 as compared to 4/1 fixed rate of 4.85%.
- * Assuming the rate on the Series 2008A Bonds continues at the current all-in rate of 3.7210%, MSD will achieve cash savings of \$4,670,000 over the life of the bonds.
- * MSD would pay \$1,249,806 to terminate the existing Bank of America Swap Agreement.

STATUS REPORTS

MSD System Services In-House Construction

FY 21-22

PROJECT NAME	LOCATION	ZIP CODE	ESTIMATED FOOTAGE	ESTIMATED PROJECT DATES	WO#	CREW	COMPLETION DATE	ACTUAL FOOTAGE	NOTES
765 New Airport Road Construction Rehabilitation	Fletcher	28732	365	7/19/2021	281422	M. Hensley	7/19/2021	368	Complete
Northwest Avenue @ 215 Sewer Rehabilitation	Swannanoa	28778	252	7/8/21 - 7/26/21	275846	Norton	7/26/2021	244	Complete
S Bear Creek Road Creek Crossing Replacement	W. Asheville	28806	161	3/23/21 - 8/25/21	282110	Dockery	8/25/2021	161	Complete
Sulphur Springs Road Sewer Rehabilitation Line B	Asheville	28806	1,100	7/1/21 - 11/13/21	278841	Dockery	9/15/2021	1074	Complete
3 Glen Cliff Rd Construction Rehabilitation	Candler	28715	220	11/12/2021	284144	G. Hensley	11/12/2021	220	Complete
Smokey Park Highway Construction Repair	Enka	28715	290	1/11/21 - 12/15/2	283056	Karn	11/18/2021	283	Complete
Coleman Avenue at Conestee Sewer Rehabilitation	Asheville	28801	1,517	1/18/21 - 11/15/2	233875	Dockery	11/30/2021	1485	Complete
72 Dillingham Road	Asheville	28805	234	1/1/21 - 12/17/2	39327	Norton	12/9/2021	240	Complete
Parker Drive At No. 110 Sewer Rehabilitation	Swannanoa	28778	598	2/1/21 - 12/31/2	275885	Dockery	12/20/2021	374	Complete
Briarwood Rd at W. Fox Chase Rd Sewer Rehab	Weaverville	28804	300	2/20/21 - 1/14/2	267160	Norton	1/6/2022	297	Complete
Briarcliff Dr at Oakwilde Dr Construction Rehab Ph. 1	Asheville	28803	189	1/17/22 - 1/31/22	258768	Norton	1/11/2022	189	Complete
129 South Ln @ Warren Wilson Construction Rehab	Swannanoa	28778	155	1/24/22 - 1/28/22	285520	Dockery	1/28/2022	155	Complete
Grace Avenue	Asheville	28804	239	12/20/21 - 2/2/22	284413	Dockery	2/2/2022	258	Complete
49 Eastview Circle Construction Rehabilitation	Asheville	28806	99	2/21/2022	285669	G. Hensley	2/21/2022	99	Complete
Lotus Place Sewer Rehabilitation	Asheville	28804	825	1/31/22 - 3/4/22	275767	Dockery	3/2/2022	851	Complete
Naples PS Elimination and Gravity Conversion Ph. 1	Cane Creek	28760	1858	2/10/22 - 3/4/22	285603	McDevitt	3/25/2022	1564	Complete
White Oak Road Sewer Rehabilitation Phase II	Arden	28704	1110	3/4/22 - 4/29/22	286269	Dockery			Construction 70% complete
Chateau Pl @ Kenilworth Rd Sewer Replacement	Asheville	28803	215	4/5/22 - 4/8/22	287063	McDevitt			Construction underway
753 Fairview Rd Sewer Rehabilitation	Asheville	28803	100	4/11/22 - 4/15/22	275813	McDevitt			Scheduled to start April 11, 2022
276 Hi-Alta Avenue Sewer Rehabilitation	Asheville	28806	201	5/2/22 - 6/3/22	271375	Dockery			Ready for construction
44 Galax Sewer Rehab	Asheville	28806	294	6/6/22 / 6/30/22	280827	TBA			Ready for Construction
Naples PS Elimination and Gravity Conversion Ph. 2	Cane Creek	28760	294	FY 21-22	285603	TBA			Ready for construction
Charlotte Street @ N Ridgeway Avenue	Blk Mountain	28711	1073	FY 21-22	232699	TBA			Ready for construction
Briarcliff Dr at Oakwilde Dr Construction Rehab Ph. 2	Asheville	28803	257	FY 21-22	TBA	TBA			In Design



CONSTRUCTION TOTALS BY DATE COMPLETED - Monthly

From 7/1/2021 to 2/28/2022

	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 2021	29	12	164	504	15	19	13,113	0	368	244	3	0	612
August 2021	24	7	96	631	11	28	5,000	0	161	0	0	0	161
September 2021	22	10	70	320	20	17	30,058	0	0	1082	8	0	1082
October 2021	23	7	51	826	14	33	30,659	0	917	8	1	0	925
November 2021	19	12	107	631	10	26	710	0	220	1545	14	223	1988
December 2021	18	15	99	465	18	15	215	0	0	614	3	0	614
January 2022	17	5	35	504	12	20	2,175	0	344	297	5	0	641
February 2022	30	4	94	739	13	28	0	0	99	258	8	0	357
Grand Totals	182	72	716	4,620	113	186	81,930	0	2109	4048	42	223	6380

* Used to calculate Total Rehab Footage



CUSTOMER SERVICE REQUESTS

Monthly - All Crews

CREW	MONTH	JOBS	AVERAGE RESPONSE TIME	AVERAGE TIME SPENT
DAY 1ST RESPONDER				
	July, 2021	89	33	39
	August, 2021	112	30	31
	September, 2021	80	26	38
	October, 2021	99	27	38
	November, 2021	100	30	34
	December, 2021	99	28	37
	January, 2022	97	47	34
	February, 2022	121	31	35
		797	32	35
NIGHT 1ST RESPONDER				
	July, 2021	40	29	29
	August, 2021	37	35	25
	September, 2021	36	29	24
	October, 2021	28	41	40
	November, 2021	30	23	33
	December, 2021	43	26	27
	January, 2022	30	35	30
	February, 2022	36	38	26
		280	32	29
ON-CALL CREW *				
	July, 2021	24	64	51
	August, 2021	20	47	36
	September, 2021	24	53	31
	October, 2021	24	43	47
	November, 2021	27	45	46
	December, 2021	50	53	36
	January, 2022	44	50	39
	February, 2022	37	42	35
		250	50	40
Grand Totals:		1,327	35	35

* On-Call Crew Hours: 8:00pm-7:30am (Jul. - Oct.) 11:30pm-7:30am (from Nov. onward) Monday-Friday, Weekends, and Holidays



PIPELINE MAINTENANCE TOTALS BY DATE COMPLETED - Monthly

July 01, 2021 to February 28, 2022

	Main Line Wash Footage	Service Line Wash Footage	Rod Line Footage	Cleaned Footage	CCTV Footage	Smoke Footage	SL-RAT Footage
2021							
July	88,857	1,558	0	88,857	24,368	1,600	21,884
August	104,500	972	610	105,110	32,703	347	26,520
September	57,013	996	1,608	58,621	24,916	4,265	23,383
October	65,871	967	2,250	68,121	22,498	0	0
November	51,867	1,863	2,647	54,514	16,570	917	0
December	65,031	2,411	2,225	67,256	21,251	850	0
2022							
January	40,421	1,636	2,180	42,601	13,595	50	0
February	75,546	1,660	3,145	78,691	18,857	600	0
Grand Total:	549,106	12,063	14,665	563,771	174,757	8,629	71,787
Avg Per Month:	68,638	1,508	1,833	70,471	21,845	1,079	8,973

Right of Way Section 3rd Quarter Summary Open Projects

<i>Project</i>	<i>Total ROW Budget</i>	<i>Total Expends to Date</i>	<i>Comment</i>
Albemarle Commons Pump Station Elimination	\$22,298	\$760	Access 50% complete with 3% of Total Budget expended to date.
Aurora Drive GSR	\$29,761	\$11,627	Access 67% complete with 39% of Total Budget expended to date.
Caledonia Road GSR	\$99,460		Access 34% complete with 0% of Total Budget expended to date.
Cherokee Road GSR	\$142,404	\$7,000	Access 7% complete with 5% of Total Budget expended to date. Community-wide opposition to the project.
Christian Creek Interceptor	\$100,477	\$85,427	Access 100% complete with 85% of Total Budget expended to date. Two condemnations filed. One case closed by Default Judgment. One case pending with Regal Hospitality.
Elk Mountain Place GSR	\$153,253	\$13,006	Access 14% complete with 8% of Total Budget expended to date.

CAPITAL IMPROVEMENT PROGRAM

STATUS REPORT SUMMARY

April 13, 2022

PROJECT	LOCATION OF PROJECT	CONTRACTOR	AWARD DATE	NOTICE TO PROCEED	ESTIMATED COMPLETION DATE	*CONTRACT AMOUNT	*COMPLETION STATUS (WORK)	COMMENTS
BRYSON STREET	Biltmore Village	Terry Brothers Construction Company	8/18/2021	8/25/2021	5/1/2022	\$309,630.00	99%	Final walk through to be scheduled soon.
CHRISTIAN CREEK INTERCEPTOR	Buncombe County	Buckeye Bridge LLC	12/15/2021	3/14/2022	7/7/2023	\$5,938,455.00	0%	Contractor is mobilized.
MANETTA ROAD @ JOHNSON DRIVE PHASE 1	Asheville 28804	Terry Brothers Construction Company	6/18/2021	7/1/2021	5/1/2022	\$265,358.74	99%	Final walk through to be scheduled soon.
MOUNTAINBROOK ROAD @ CHUNNS COVE ROAD	Asheville 28805	Terry Brothers Construction Company	1/19/2022	1/20/2022	5/20/2022	\$885,810.00	80%	Pipe installation complete; ready for paving.
SPRINGSIDE ROAD @ OVERLOOK ROAD	Asheville 28803	Huntley Construction Company	5/19/2021	9/23/2021	6/1/2022	\$798,208.00	70%	Working on restoration before crossing Springside. Pipe installation below Springside is complete.
WRF - EQUIPMENT STORAGE FACILITY	Woodfin	Cooper Construction Company	10/20/2021	3/28/2022	3/28/2023	\$3,008,962.18	2%	Sawcutting walls and working on selective demo of piers.
WRF - INCINERATOR ASH LAGOON RESTORATION, PHASE 1	Woodfin	Chonzie, Inc.	12/15/2021	1/18/2022	6/1/2022	\$473,914.06	99%	Project complete except for cleanup.
WRF - INCINERATOR ASH LAGOON RESTORATION, PHASE 2	Woodfin	Chonzie, Inc.	3/9/2022	3/10/2022	6/1/2022	\$241,113.31	75%	Project progressing well.
WRF- PLANT HIGH RATE PRIMARY TREATMENT	Woodfin	Shook Construction Company	10/17/2018	1/7/2019	5/1/2022	\$15,319,516.52	97%	Working on roadway grading and miscellaneous concrete; continued work on punchlist.
WRF - RBC SLIDE GATE REPLACEMENT	Woodfin	IPC Structures	10/20/2021	3/24/2022	10/20/2022	\$286,500.00	0%	Gates on site and form work for stop logs on site. Scheduled to mobilize 4/18.
WEST CRABAPPLE LANE	Asheville 28804	TP Howard's Plumbing	10/20/2021	12/13/2021	5/1/2022	\$329,675.00	95%	Paving and pipe installation are complete. Working on restoration.

*Updated to reflect approved Change Orders and Time Extensions

Planning & Development Project Status Report

Active Construction Projects Sorted by Work Location and Project Number

April 6, 2022

No.	Project Name	Project Number	Work Location	Zip Code	Units	LF	Pre-Construction Conference Date	Comments
1	First Baptist Relocation	2015032	Asheville	28801	Comm.	333	7/21/2015	Final Inspection complete, awaiting close-out docs
2	Hounds Ear (Mears Ave Cottages)	2016123	Asheville	28806	18	402	8/18/2017	Pre-con held, construction not yet started
3	Ashcroft Ph. 2	2016229	Asheville	28806	40	2,450	2/20/2018	On hold
4	RADTIP	2017052	Asheville	28801	0	919	2/13/2018	Final Inspection complete, awaiting close-out docs
5	Whitney Drive Subdivision	2018057	Asheville	28806	15	425	3/12/2021	Waiting on final inspection
6	Sterling Property	2018231	Asheville	28801	4	260	6/18/2021	Final Inspection complete, awaiting close-out docs
7	Timber Hollow Subdivision	2019049	Asheville	28805	18	525	7/28/2020	On hold
8	Millbrook Cottages	2019066	Asheville	28806	7	322	2/15/2022	Pre-con held, construction not yet started
9	Enclave at Piney Mtn. Ph. 1	2019075	Asheville	28805	211	740	3/19/2021	Waiting on final inspection
10	UNC-A Edgewood Road Parking Lot	2019078	Asheville	28801	Comm.	373	7/19/2019	Final Inspection complete, awaiting close-out docs
11	Julian Woods Retirement Relocation	2019112	Asheville	28704	Comm.	1,083	3/17/2022	Pre-con held, construction not yet started
12	Ironwood Sewer Relocation	2019123	Asheville	28801	554	227	4/23/2021	Installing
13	Hawthorne at Haywood Phase 2	2019130	Asheville	28806	92	668	12/15/2020	Final Inspection complete, awaiting close-out docs
14	Edgewood Road South Subdivision	2019157	Asheville	28803	25	763	8/10/2021	Waiting on final inspection
15	Overlook Circle Subdivision	2019256	Asheville	28803	7	180	8/11/2020	Final Inspection complete, awaiting close-out docs
16	Craggy Park Ph. 2	2020038	Asheville	28806	27	1,300	11/24/2020	Final Inspection complete, awaiting close-out docs
17	Crossroads at West Asheville Ph. 1	2020111	Asheville	28806	0	1,758	1/25/2022	Installing
18	Airport Road Commercial Relocation	2020152	Asheville	28704	Comm.	204	5/13/2021	Final Inspection complete, awaiting close-out docs
19	Amarx - Baker Drive	2021046	Asheville	28804	24	760	10/22/2021	Installing
20	Burton Street	2021048	Asheville	28806	4	64	10/29/2021	Pre-con held, construction not yet started
21	20 Winding Road	2021106	Asheville	28803	10	220	11/2/2021	Waiting on Testing
22	328 Emma Road	2021131	Asheville	28806	17	665	11/5/2021	Pre-con held, construction not yet started
23	808 Montreat Road	2015126	Black Mountain	28711	4	371	4/18/2017	Final Inspection complete, awaiting close-out docs
24	Chapman's Cove	2017227	Black Mountain	28711	10	430	9/21/2018	Final Inspection complete, awaiting close-out docs
25	Givens Highland Farms-Cottage Development	2018272	Black Mountain	28711	16	1,355	9/13/2019	Final Inspection complete, awaiting close-out docs
26	Padgettown Road - Phase 2	2019085	Black Mountain	28711	43	1,308	7/19/2019	Final Inspection complete, awaiting close-out docs
27	Sweet Birch Lane Phase 3	2020151	Black Mountain	28711	20	800	6/30/2021	Waiting on final inspection
28	Old Toll Road Subdivision	2020182	Black Mountain	28711	14	637	8/17/2021	Waiting on testing
29	Craven Hill Circle	2020195	Black Mountain	28711	3	380	11/5/2021	Pre-con held, construction not yet started
30	Waightstill Mountain Phase 2B	2015155	Buncombe Co.	28704	16	1,784	4/23/2019	Final Inspection complete, awaiting close-out docs
31	Bee Tree Village	2015158	Buncombe Co.	28778	26	1,118	3/17/2017	Final Inspection complete, awaiting close-out docs
32	NC DOT I-5504 NC 191/1-26 Interchange	2016132	Buncombe Co.	28806	0	355	10/23/2017	Installing
33	Liberty Oaks Ph. 1B	2018063	Buncombe Co.	28715	24	615	11/5/2021	Testing
34	Upper Grassy Branch Road	2018087	Buncombe Co.	28805	6	250	8/31/2018	Waiting on final inspection
35	Victoria Hills (Lance Road) Ph. 1	2018094	Buncombe Co.	28704	38	1,176	3/6/2020	Installing
36	Victoria Hills (Lance Road) Ph. 2 & 3	2018094	Buncombe Co.	28704	54	2,180	3/6/2020	Testing
37	Starnes Cove Subdivision	2018106	Buncombe Co.	28806	14	315	9/6/2019	Final Inspection complete, awaiting close-out docs
38	Rockdale Subdivision	2018145	Buncombe Co.	28778	9	630	3/17/2020	Final Inspection complete, awaiting close-out docs
39	Reserve at Gashes Creek	2018208	Buncombe Co.	28803	190	1,940	8/2/2019	Final Inspection complete, awaiting close-out docs
40	Porter Road Subdivision	2019022	Buncombe Co.	28803	9	210	6/30/2021	Waiting on Testing
41	Rice MHP Off-Site	2019029	Buncombe Co.	28715	TBD	460	4/24/2020	Final Inspection complete, awaiting close-out docs
42	Reflection Pointe	2019032	Buncombe Co.	28806	270	1,995	6/30/2020	Final Inspection complete, awaiting close-out docs
43	Roberson Relocation	2019037	Buncombe Co.	28715	Comm.	200	4/24/2020	Pre-con held, construction not yet started
44	Jasper Apartments	2019086	Buncombe Co.	28778	100	760	12/8/2020	Final Inspection complete, awaiting close-out docs
45	Aiken Road Multi-Family	2019128	Buncombe Co.	28804	407	4,620	10/2/2020	Installing
46	Fairview Meadows Subdivision	2019142	Buncombe Co.	28730	42	1,460	8/28/2020	Final Inspection complete, awaiting close-out docs
47	Sveamore Cove Subdivision	2019158	Buncombe Co.	28803	26	570	6/9/2020	Waiting on final inspection
48	The Ramble - Tea House Ridge	2019159	Buncombe Co.	28803	22	8,050	9/21/2021	Installing
49	Fields Jaguar	2019169	Buncombe Co.	28704	Comm.	305	10/27/2020	Final Inspection complete, awaiting close-out docs
50	Laurelwood Village	2019216	Buncombe Co.	28704	29	855	5/25/2021	Waiting on final inspection
51	CMH Homes - N. Louisiana Ave.	2019220	Buncombe Co.	28806	30	1,187	7/28/2020	Final Inspection complete, awaiting close-out docs
52	841 Charlotte Hwy	2019222	Buncombe Co.	28730	Comm.	110	4/20/2021	Pre-con held, construction not yet started
53	Creekside Cottages	2019255	Buncombe Co.	28704	6	400	3/12/2015	Phase 2 Construction Not started
54	The Farm at Pond Road	2020009	Buncombe Co.	28806	687	3,550	6/4/2021	Waiting on final inspection
55	Fisher Mill Road	2020015	Buncombe Co.	28704	3	380	10/20/2020	Final Inspection complete, awaiting close-out docs
56	Fountain Park Subdivision - Ph. 2	2020026	Buncombe Co.	28806	120	4,611	7/12/2019	Final Inspection complete, awaiting close-out docs
57	Virginia Commons	2020072	Buncombe Co.	28704	47	750	6/4/2021	Waiting on final inspection
58	Amarx - Clayton Road	2020075	Buncombe Co.	28704	24	1,080	4/16/2021	Waiting on final inspection
59	CMH Avery Creek	2020080	Buncombe Co.	28704	10	580	2/8/2022	Pre-con held, construction not yet started
60	Kirkwood MHP (aka Rice MHP on-site)	2020166	Buncombe Co.	28715	75	2,610	12/21/2021	Testing
61	Habitat- Glenn Bridge Road	2020178	Buncombe Co.	28704	30	908	12/14/2021	Testing
62	Springs of North Asheville Ph. 2	2020190	Buncombe Co.	28804	120	855	10/29/2021	Waiting on Testing
63	Project Ranger (aka Pratt & Whitney)	2020194	Buncombe Co.	28803	Comm.	256	12/7/2021	Final Inspection complete, awaiting close-out docs
64	Town Mountain Preserve Ph. 2	2020197	Buncombe Co.	28804	6	1,210	5/28/2021	Installing
65	Holbrook Road Subdivision - Ph. 3	2020243	Buncombe Co.	28715	29	1,365	4/27/2021	Final Inspection complete, awaiting close-out docs
66	Holbrook Road Subdivision - Ph. 4	2020244	Buncombe Co.	28715	12	454	4/27/2021	Final Inspection complete, awaiting close-out docs
67	Dollar Tree - Candler Sewer Relocation	2021001	Buncombe Co.	28715	Comm.	88	5/7/2021	Final Inspection complete, awaiting close-out docs
68	Village at Bradley Branch Ph. 4B	2021120	Buncombe Co.	28704	16	393	11/2/2021	Installing
69	Hamrick Farms Ph. 2	2021160	Buncombe Co.	28715	48	1,247	3/8/2022	Installing
70	Nesbitt Farms Ph. 2	2018101	Cane Creek	28759	81	4,094	2/23/2021	Final Inspection complete, awaiting close-out docs
71	Collett Industrial (Banner Farm)	2020108	Cane Creek	28759	Comm.	255	11/20/2020	Final Inspection complete, awaiting close-out docs
72	Pardee Partners	2021058	Cane Creek	28759	Comm.	1,105	11/2/2021	Waiting on final inspection
73	Fernleaf Charter School	2020177	Fletcher	28732	Comm.	780	3/25/2022	Pre-con held, construction not yet started
74	Rutledge Road Subdivision Ph. 1	2021032	Fletcher	28732	31	1,594	3/1/2022	Pre-con held, construction not yet started
75	Suncap Warehouse	2021059	Fletcher	28732	Comm.	803	12/3/2021	Testing
76	828 North	2017153	Weaverville	28787	224	1,090	11/17/2020	Final Inspection complete, awaiting close-out docs
77	Ambler's Chase	2017249	Weaverville	28787	21	1,235	11/29/2018	Final Inspection complete, awaiting close-out docs
78	The Holston	2019133	Weaverville	28787	240	36	6/2/2020	Final Inspection complete, awaiting close-out docs
79	Palisades at Reems Creek	2020066	Weaverville	28787	132	1,020	3/24/2022	Pre-con held, construction not yet started
80	Northridge Commons Retail	2020147	Weaverville	28787	Comm.	790	12/1/2020	Final Inspection complete, awaiting close-out docs
81	Greenwood Park Ph. 2	2020245	Weaverville	28787	25	1,560	5/25/2021	Final Inspection complete, awaiting close-out docs
82	18 Wildwood Park Sewer Relocation	2021129	Weaverville	28787	1	147	2/22/2022	Pre-con held, construction not yet started
83	Crest Mountain Phase 3B	2013041	Woodfin	28806	69	1,329	10/15/2013	Final Inspection complete, awaiting close-out docs
84	Bress & Jan Lasher (High Hopes)	2015152	Woodfin	28806	14	320	4/26/2016	Final Inspection complete, awaiting close-out docs
85	Roanoke Avenue aka Wolf Tract	2017029	Woodfin	28806	6	219	6/4/2021	Installing
86	Skyfin-Terraces at Reynolds Mtn - Phase 4	2020167	Woodfin	28804	5	100	8/8/2017	Final Inspection complete, awaiting close-out docs
87	Brown Avenue	2018267	Woodfin	28804	3	62	7/2/2019	Final Inspection complete, awaiting close-out docs
88	Serenity Townhomes	2020037	Woodfin	28804	8	480	7/14/2020	Waiting on testing
89	Weaverville Road Subdivision	2020123	Woodfin	28804	4	600	4/6/2021	Pre-con held, construction not yet started
90	West City View	2020155	Woodfin	28804	21	845	7/23/2021	Waiting on testing
			TOTAL		4,613	90,268		