

BOARD OF THE METROPOLITAN SEWERAGE DISTRICT

August 21, 2024

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, August 21, 2024. Chairman VeHaun presided with the following members present: Bryson, Dearth, Franklin, Kelly, Lapsley, Manheimer, Pennington, Watts and Wisler. Ashley, Moore, Pelly and Whitesides were absent.

Others present were Billy Clarke, General Counsel; Forrest Westall, PE, McGill Associates; Patty Beaver with CIBO; Tom Hartye, Ken Stines, Pam Thomas, Mike Stamey, Darin Prosser, Bart Farmer, Scott Powell, Angel Banks, Wesley Banner, 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 June 12, 2024 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the June 12, 2024 Board Meeting. Mr. Watts moved for approval of the minutes as presented. Mr. Kelly 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. Election of Officers:

Mr. VeHaun called for nominations for Chair of the MSD Board. Mr. Kelly nominated Mr. VeHaun as Chair. Mr. Watts 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 Chair of the MSD Board for 2024-2025. Mr. Kelly moved and Ms. Wisler seconded the motion. Voice vote in favor of the motion was unanimous.

Mr. VeHaun called for nominations for Vice Chair of the MSD Board. Ms. Bryson nominated Mr. Kelly as Vice Chair. Mr. Watts seconded the nomination. Mr. VeHaun called for a motion that nominations be closed and that, by acclamation, Mr. Kelly be elected as Vice Chair of the MSD Board for 2024-2025. Mr. Watts moved and Ms. Wisler seconded the motion. Voice vote in favor of the motion was unanimous.

Mr. VeHaun nominated Ms. Bryson for re-appointment as Secretary/Treasurer of the MSD Board for 2024-2025. Mr. Watts made the

motion. Mr. Kelly seconded. Voice vote in favor of Ms. Bryson's re-appointment was unanimous.

8. Report of Committees:

a. Right of Way Committee – June 26, 2024

Mr. Kelly reported that the Right of Way Committee met on June 26, 2024. Minutes are attached if there are any questions. There were no questions. Mr. Clarke added that Item III. in the Right of Way Committee Minutes and Item 09.e. Consideration of Condemnation – Knauth Road, on this agenda, has been signed by the representative of the Estate and may be removed.

b. Personnel Committee – August 6, 2024

Ms. Bryson reported that the Personnel Committee met on August 6, 2024 for an update on the General Manager's Goals and Objectives and for a presentation from Mrs. Thomas regarding the current year's self-funded health plan and compensation just put in place. Committee Meeting was in full attendance and expressed their appreciation of succession planning and training efforts.

9. Report of General Manager:

Mr. Hartye reported that attached is an excerpt from the "answer man" column in the Asheville Watchdog regarding the MSD Hydroelectric Facility. Mr. Pennington asked Mr. Hartye to explain how much power is produced for the plant. Mr. Hartye stated 2.5 megawatts. This varies different times of the year, creating different amounts of energy based on the flow in the river. MSD has a pretty electrically intensive plant with the blowers and those types of things. Generally, MSD yields from \$300,000.00-\$600,000.00 of avoided power cost. That equates to about half of the total plant usage and is about how much MSD avoids in cost as a result of that green power.

Mr. Hartye reported that Carr Swicegood emailed to express his appreciation that Kevin Johnson, MSD's Planning and Development Manager, goes above and beyond his job responsibilities and that he is knowledgeable of rules and process and is helpful on what is needed to get a CO for a job.

Mr. Hartye reported that Sandra Martin called to express her appreciation for a couple of MSD employees who changed a tire for her. She said she had been waiting 2 ½ hours for AAA to come change a tire for her when two nice gentlemen in an MSD truck stopped to help her. She wanted to convey that she was very grateful.

Mr. Hartye reported that attached is a graph of COVID Monitoring in Wastewater showing the recent surge in comparison to the last 3 years of data here in Buncombe County.

Mr. Hartye reported that the Right of Way Committee Meeting will be held on August 28th at 9am. The next Regular Board Meeting will be held on September 18th at 2 pm.

10. Consolidated Motion Agenda:

a. Consideration of Bids – Elk Mountain Place Sanitary Sewer Rehabilitation, MSD Project No. 2010094:

Mr. Hartye reported that the Elk Mountain Place project is located in Woodfin and is comprised of 4,137 LF of 8-inch ductile iron pipe to be installed by dig and replace. The existing 6-inch vitrified clay pipe is in poor condition, is undersized, and has experienced SSO's. The project was advertised formally and four sealed bids were received on July 25, 2024 as follows: Thomas Construction Company in the amount of \$1,684,642.00; T.P. Howard's Plumbing Company Inc. in the amount of \$1,310,000.00; Appalachian Site Work, Inc. with a bid amount of \$1,234,099.88 and Terry Brothers Construction Company in the amount of \$1,133,123.00. The apparent low bidder is Terry Brothers Construction Company with a bid amount of \$1,133,123.00. Terry Brothers Construction Company has extensive experience with District rehabilitation projects and continues to provide excellent workmanship. The FY 24-25 Construction Budget for this project is \$1,457,000.00. Staff recommends award of this contract to Terry Brothers Construction Company in the amount of \$1,133,123.00, contingent upon review and approval by District Counsel.

b. Consideration of Bids – Incinerator Sand Transport System, MSD Project No. 2024036:

Mr. Hartye reported that the Incinerator Building's sand storage and transport system was originally installed in the early 1990's. It is responsible for conveying sand from an externally located storage silo into the incinerator. Maintaining a precise sand level in the incinerator bed provides proper sludge distribution and more efficient burn. The conveyance of abrasive sand over 30 years has basically worn the system out. The new system will include a larger storage silo with sufficient volume to fill the incinerator bed, a more efficient conveyance system that is less abrasive, and automatic controls. No bids were received on the projects original bid date of Thursday, July 25, 2024. The project was re-advertised on August 1, 2024 and one bid was received as follows: Dynamic Air, Inc. in the amount of \$202,865.00. The apparent low bidder is Dynamic Air, Inc. with a bid amount of \$202,865.00. Dynamic Air, Inc. has successful installations at other facilities and is the manufacturer of the District's existing system. The FY 24-25 budget for this project is \$275,000.00 and includes both equipment procurement and installation. Staff recommends award of this contract to Dynamic Air, Inc. in the amount of \$202,865.00, contingent upon review and approval by District Counsel.

c. Consideration of Sole Source Procurement of Equipment: MCC Replacement, MSD Project No. 2024040:

Mr. Hartye reported that there are tons of Motor Control Centers (MCC's) at the Treatment Plant involved in all facets of the treatment process. Two of these MCC's are the Intermediate Clarifier MCC and the NPW Pump Station MCC. These two MCCs were installed in the late 1980s and are at the end of their service life. The units are obsolete, and replacement parts are difficult to obtain. In lieu of replacing both MCCs in kind, District staff identified an option for consolidating controls into one MCC, resulting in significant cost savings. The cost of the single MCC is \$151,925.02. Ancillary gear, including a small transformer and power panels are required for the consolidation and cost an additional \$6,408.23 for a total purchase price of \$158,333.25. The FY 24-25 budget for this project is \$524,000.00 and includes both equipment procurement and installation, which will be performed in the Spring of 2025. Sole source procurement for purposes of standardization and/or compatibility is allowed per NCGS 143-129(e)(6). Staff recommends that the District approve a sole-source procurement of an Eaton brand MCC, contingent upon review and approval by District Counsel.

d. Consideration of Engineering Contract – MSD Plant and Pump Station Electrical Arc Flash Study (Fall 2024) MSD Project No. 2023008:

Mr. Hartye reported that there will be two Arc Flash studies this fiscal year, one in the fall and one in the spring. An Arc Flash review is required a minimum of every five years for all affected electrical panels. This study will ensure that MSD meets the current guidance and standards related to arc flash analysis and associated arc flash labeling. The study will be used to correctly determine fuse, breaker and switch gear ratings. These ratings will be used to evaluate the protective measures needed when working on or near electrical panels. These panels will display labeling as well. This is the first of two studies this fiscal year. The second study in spring of 2025 will address 58 additional panels. Staff advertised a Request for Qualifications (RFQ) in June of 2024 and received one response from McGill Associates, PA. McGill Associates has extensive experience with MSD and the plant's electrical system. McGill has completed several ARC Flash studies for MSD in past years including one recently completed in April, 2024. Staff negotiated a price of \$79,100.00 which was considered reasonable based on scope of work and previous arc flash contracts completed by the District. There are sufficient funds within the CIP for the project. Staff recommends award of the engineering services contract to McGill Associates in the amount of \$79,100.00, contingent upon review and approval by District Counsel.

e. Consideration of Condemnation – Knauth Road:

Mr. Hartye reported that this item has been settled and can be removed from this Agenda.

f. Consideration of Compensation Budgets – 10 Balsam Road, Jonestown Road @ Riverside Drive; Sand Hill Road @ Baker Place:

Mr. Hartye reported that the Right of Way Committee recommends approval of these compensation budgets.

g. Consideration of Developer Constructed Sewer Systems: Busbee Ph.1; Clayton Crossing; Ironwood Sewer Relocation; Lake Julian Crossing Ph. 1; Liberty Oaks Ph. 1B; Owenby Lane; Pineview Subdivision; The Ramble Block K; The Ramble – Tea House Ridge; Tap Root Ph. 1; View at Reems Creek:

Mr. Hartye reported that the Busbee Ph. 1 project is located along Sweeten Creek Road in Buncombe County and included extending approximately 4,240 linear feet of 8-inch public gravity sewer to serve 315 apartments in this residential development.

Mr. Hartye reported that the Clayton Crossing project is located off Long Shoals Road in Buncombe County and included extending approximately 1,110 linear feet of 8-inch public gravity sewer to serve 70 townhomes in this residential development.

Mr. Hartye reported that the Ironwood Sewer relocation project is located off Coxe Avenue in the City of Asheville and included relocating approximately 225 linear feet of 8-inch public gravity sewer and upgrading approximately 440 linear feet of 8-inch public gravity sewer to 12-inch. Additionally, approximately 594 linear feet of existing public sewer had to be abandoned. This will serve 554 apartments and the 60,000 SF commercial space.

Mr. Hartye reported that the Lake Julian Crossing project is located off Long Shoals Road in the City of Asheville and included extending approximately 1,125 linear feet of 8-inch public gravity sewer to serve 218 multi-family residential units and a commercial development with multiple restaurants.

Mr. Hartye reported that the Liberty Oaks Phase 1B project is located off Smokey Park Highway in Buncombe County and included extending approximately 620 linear feet of 8-inch public gravity sewer to serve 24 townhomes in this phase of the residential development.

Mr. Hartye reported that the Owenby Lane project is located along Owenby Lane in the Town of Black Mountain and included extending approximately 180 linear feet of 8-inch public gravity sewer to serve 4 homes in this residential development.

Mr. Hartye reported that the Pineview Subdivision project is located off Pineview Street in the City of Asheville and included extending approximately 70 linear feet of 8-inch public gravity sewer to serve 4 homes in this residential development.

Mr. Hartye reported that the Ramble Block K project is located off Emerald Necklace Drive in Buncombe County and included extending approximately 4,920 linear feet of 8-inch public gravity sewer to serve 38 homes in this phase of the residential development.

Mr. Hartye reported that the Ramble – Tea House Ridge project is located off Emerald Necklace Drive in Buncombe County and included extending approximately 7,430 linear feet of 8-inch public gravity sewer to serve 22 homes in this residential development.

Mr. Hartye reported that the Tap Root Ph. 1 project is located off Butler Bridge Road in Henderson County and included extending approximately 2,180 linear feet of 12-inch and 6,395 linear feet of 8-inch public gravity sewer to serve 113 homes in this phase of the residential development.

Mr. Hartye reported that the Views at Reems Creek project is located along Union Chapel Road in Buncombe County and included extending approximately 610 linear feet of 8-inch public gravity sewer to serve 11 homes in this residential development.

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

h. Fourth Quarter Budget to Actual Review 2024:

Mr. Powell reported that Domestic and Industrial Revenue are above budgeted expectations. Staff believes Domestic User Fee variance will end up around 104% when June accounts receivable data is received from its Member Agencies in September. Facility and Tap Fees are above budgeted expectations. This is due to the District receiving an additional \$6 Million from various developments. Interest and miscellaneous income are above budgeted expectations due to actual short-term interest rates exceeding anticipated yields for the fiscal year. O&M expenditures are at 89.9% of budget. This amount may vary slightly from audited numbers due to final accruals. Bond principal and interest and other long-term obligations are at budgeted expectations. Capital project expenditures are at approximately 80.6% of budget. This reflects delays in projects. All unexpended funds have been included in the FY 2025 budget.

i. Reimbursement Resolution for Bond Projects:

Mr. Powell reported that to be in compliance with IRS Regulations concerning tax exempt financing, all expenditures made with non-MSD bond funds and to be reimbursed from MSD bond funds must be properly identified and authorized. The proposed reimbursement resolution identifies major projects intended to be solely or substantially financed by bonds anticipated to be issued in FY2027. Board approval is required to obtain the tax exemption of interest paid on MSD bonds by authorizing reimbursement from bond proceeds of the expenditures for the attached project listing.

j. Cash Commitment Investment Report – Month ended July, 2024:

Mr. Powell reported that Page 79 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. Page 80 presents the MSD Investment Manager's report as of the month of August. The weighted average maturity

of the investment portfolio is 34 days and the yield to maturity is 5.21%. Page 83 presents the District's Variable Debt Service Report. The 2008A Series Bond is performing at budgeted expectations. As of the end of July, the issue has saved the District rate payers approximately \$7.8 million in debt service since April of 2008.

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

11. Old Business: None.

12. New Business:

Mr. Clarke stated that the Board needed to go into a closed session to discuss a settlement of a pending litigation of a condemnation action in Henderson County. Ms. Manheimer asked if her firm was involved. Mr. Clarke stated that it does involve her firm and that she didn't need to leave meeting but could recuse herself from voting on the matter. Mr. VeHaun called for a motion to go into closed session at 2:28 pm. Mr. Watts moved. Mr. Kelly seconded the motion. Voice vote in favor of the motion was unanimous.

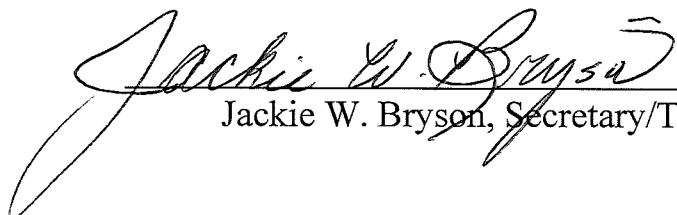
At 2:35 pm, the Board went back into open session.

Mr. Lapsley made the motion that the settlement for Jane Coates Owen Trustee Condemnation (Cane Creek Water and Sewer District) 18 CVS 1898, Henderson County Superior Court, in the amount of \$70,000.00, be approved. Mr. Watts seconded the motion. Ms. Manheimer recused herself from the vote. Roll call vote was as follows: 9 ayes; 0 nays.

Mr. Clarke added that he appreciated the efforts of Ms. Banks, Mr. Banner, Mr. Carson, and Mr. Hartye during this process.

13. Adjournment:

With no further business, Mr. VeHaun called for adjournment at 2:38 pm.


Jackie W. Bryson, Secretary/Treasurer



Metropolitan Sewerage District

Regular Board Meeting

August 21, 2024 @ 2 pm

	Agenda Item	Presenter
	Call to Order and Roll Call	VeHaun
	01. Inquiry as to Conflict of Interest	VeHaun
	02. Approval of Minutes of the June 12, 2024 Board Meeting	VeHaun
	03. Discussion and Adjustment of Agenda	VeHaun
	04. Introduction of Guests	VeHaun
	05. Informal Discussion and Public Comment	VeHaun
	06. Election of Officers	VeHaun
	07. Report of Committees:	Kelly
	a. Right of Way Committee – June 26, 2024	
	b. Personnel Committee – August 6, 2024	Bryson
	08. Report of General Manager	Hartye
	09. Consolidated Motion Agenda	Hartye
	a. Consideration of Bids – Elk Mountain Place GSR	Hartye
	b. Consideration of Bids – Incinerator Sand Transport System	Hartye
	c. Consideration of Sole Source Procurement of Equipment – MCC Replacement	Hartye
	d. Consideration of Engineering Contract-Arc Flash Study	Hartye
	e. Consideration of Condemnation – Knauth Road	Hartye
	f. Consideration of Compensation Budgets – 10 Balsam Rd; Jonestown Rd @ Riverside Dr. Sand Hill Road @ Baker Place	Hartye
	g. Consideration of Developer Constructed Sewer Systems – Busbee Ph. 1; Clayton Crossing; Ironwood Sewer Relocation; Lake Julian Crossing Ph. 1; Liberty Oaks Ph. 1B; Owenby Lane; Pineview Subdivision; The Ramble Block K; The Ramble-Tea House Ridge; Tap Root Ph. 1; Views at Reems	Hartye
	h. Fourth Quarter Budget to Actual Review 2024	Powell
	i. Reimbursement Resolution for Bond Projects	Powell
	j. Cash Commitment/Investment Report-Month ended June 2024	Powell
	10. Old Business	VeHaun
	11. New Business:	VeHaun
	12. Adjournment: (Next Meeting 9/18/2024)	VeHaun
	STATUS REPORTS	

BOARD OF THE METROPOLITAN SEWERAGE DISTRICT
June 12, 2024

1. Call to Order and Roll Call:

The regular monthly meeting of the Metropolitan Sewerage District Board and Public Hearing on the Final Budget for FY 2024-2025 was held in the Boardroom of MSD's Administration Building at 2:00 pm, Wednesday, June 12, 2024. Chairman VeHaun presided with the following members present: Bryson, Dearth, Franklin, Kelly, Lapsley, Pelly, Pennington, Watts, Whitesides and Wisler. Ashley, Manheimer and Moore were absent.

Others present were Billy Clarke, General Counsel (via telephone/internet access); Patty Beaver with CIBO; Tom Hartye, Hunter Carson, Scott Powell, Pam Thomas, Mike Stamey 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 15, 2024 Board Meeting:

Mr. VeHaun asked if there were any changes to the Minutes of the May 15, 2024 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:

Mr. VeHaun welcomed Patty Beaver with CIBO.

6. Informal Discussion and Public Comment: None.

7. Report of General Manager:

Mr. Hartye reported that the Final FY 2025 Budget of \$69.22 Million and a Public Hearing will be held at this meeting. There have been no changes to the Preliminary Budget that was brought to this Board in May. The proposed Sewer Rate increase is 5.0% as required by our business plan to fund the \$610 Million Ten-year Capital Improvement Plan. There are no recommended fee increases.

Mr. Hartye reported that there has been a large increase to this year's CIP Budget. There was good attendance at the CIP Committee Meeting but for those who missed the meeting, Hunter Carson, Director of Engineering will give a presentation at this meeting on MSD's large Capital Projects. The majority of our \$37.5 Million in construction is the Weaverville Pump Station. The 10-year CIP of \$610 Million involves a few large financially and socially impactful projects. Mr. Carson will go over a few of these projects so that they are on everyone's radar.

Mr. Carson reported that he would review 5 projects that make up a huge component of the \$610 Million proposed for the Capital Improvement Program (CIP) over the next 10 years. He presented a slide showing how these funds were allocated. Over the last 34 years since consolidation, MSD has spent roughly \$500 Million in CIP funds compared to over \$600 Million for this 10-year CIP. The Weaverville Pump Station Replacement Project is the pump station that conveys flow from Weaverville south to the plant. The station was originally constructed in the early 1980's. There have been a few capacity upgrades since that time. It has a current capacity of 2.8 mgd. With all of the development allocations that MSD has issued, the current demand is about 3.1 mgd. When allocations exceed design capacity it triggers, through NCDEQ, either an upgrade or replacement of that station. That is what is happening here, not only for Weaverville Pump Station but also for Carrier Bridge Pump Station. The new station will be sized for 50-year flow projections, also taking into account wet weather events. Mr. Lapsley asked what the capacity is. Mr. Carson stated that it will initially be 5 mgd expandable to 6 mgd. The project was initially bid in December with Haren Construction Company as the low bidder at \$20.9 Million. Roughly half of that construction cost is the pump station. There will be about 18,000 lf of 24-inch force main to replace the existing 12-inch force main, which the other half will go to. Mr. Carson presented slides showing a schematic of the new station which will be built adjacent to the old station which will be abandoned. The existing station pumps from Pump Station 1 to Pump Station 2 and then again on to the plant. The new system will pump directly from Pump Station 1 to the plant. Another aspect of this project is an existing 30-inch aerial creek crossing over Reems Creek. During wet weather and high storm events, that crossing is at risk of being washed out so another component of this project is re-laying that pipe under the creek bed. The force main will be 24-inch hdpe and the majority will run parallel with the existing, however, we do need 30 additional easements. Staff has been working on those for quite a few months and hope to finalize all easement acquisition later this summer. We are allowing an administrative period for the contractor. What this does is allow him to get some of his up-front shop drawing reviews out of the way so we can go ahead and get the long lead equipment and materials out of the way so that when easement acquisition is complete, the contractor can hit the ground running. Construction is anticipated to last approximately 2 years.

Mr. Carson reported that the Carrier Bridge Pump Station Replacement is another big project. Carrier Bridge Pump Station is MSD's largest pump station located near the confluence of the Swannanoa and French Broad Rivers and was constructed in 1966. It serves a large portion of the District's overall service area. Capacity of this station will be increasing from 22 mgd to 40 mgd and will be expandable to 50 mgd in the future. Mr. Carson presented a map showing the area serviced by the Carrier Bridge Pump Station and architectural renderings of what the new structure will look like. HDR should be completing 90% design by this coming Fall. Then we will go for additional necessary permitting and go to construction at the end of 2025. This project is budgeted at \$80 Million. The new pump station will have bar screens which are intended to capture a lot of the large debris that is coming down the

interceptor so that it doesn't pass through the pumps. The entire building will be enclosed and all of the air that is exhausted out of the building will run through carbon scrubbers for odor control. There will also be about 800 linear feet of new 60-inch inlet piping. Mr. Carson explained three different alignments being considered and stated that Staff is working with the City on those. Each option crosses Amboy Road and creates impacts to the greenway. There will also be discharge piping that will come out of the pump station and cross the river to tie into existing infrastructure on the east side of the river. Mr. Carson showed two alignments being considered and stated that both are expected to take about 8 months to install. In addition, MSD will be rehabilitating part of the interceptor system on the east side of the river. That is a 54-inch interceptor and we are proposing to do a CIPP (Cured In Place Pipe) Liner. This will have less disturbance on the surface. However, when you are doing the rehabilitation you have to bypass all of the wastewater around the work area. In order to do that, there will be a series of bypass pumps and piping around the work area, and those will be above ground. There will be portions of RADTIP that will be temporarily shut down. There will also be two open cut river crossings of the French Broad. One of those is for the discharge force main. Those are the two 36-inch force mains that cross the river. The other is at Carrier Park. That crossing is to accommodate a future 60-inch gravity sewer that will ultimately come through the Biltmore Estate and tie into Carrier Bridge. Both river crossings will be done with a rip rap cofferdam which will be approximately 12-feet high and allows us to create a "U" shape out into the river. About 50% -55% of the river will be temporarily blocked. The cofferdam creates an isolated area that can be dewatered, and the force mains can be installed in the dry across the dewatered area. Once half of the pipe is completed, the rip rap is removed, and the process is repeated on the other side of the river. This will be done in two different locations, on Lyman Street and at Carrier Park.

Mr. Carson reported on the Swannanoa Equalization Tank. This is a future project. When there are heavy, wet weather events, with inflow and infiltration into the interceptor pipes, they routinely surcharge which can result in sanitary sewer overflows. The purpose of this tank is to withdraw some of that excess water off of the interceptor system, pump this tank full until the storm water recedes, and then reintroduce it into the interceptor system. Ultimately this tank is to reduce SSO's and improve water quality. This is a very large tank; the storage volume is approximately 8 MG and 200 feet in diameter. Mr. Pelly asked how much rain that would be. Mr. Carson stated that this is sized for the 5-year storm which is roughly 3 ¼- inches in a 24-hour period. Mr. Pelly asked if it was activated when needed. Mr. Carson stated that there would be level indication upstream and downstream. When we see the level inside the interceptor system coming up, we would activate. Mr. Hartye added that it may only happen three times a year with most of the days remaining open and empty. Mr. Carson stated that in 2019, CDM Smith was assisting MSD with looking at various things such as interceptor capacities and evaluating this tank. We looked at a handful of options as far as locations and pretty quickly shortlisted down to three locations. Since then,

we are down to one location for various reasons. Hardesty Lane is a City of Asheville owned site just south of the John B. Lewis (JBL) Soccer Complex off of Azalea Road. We have been in discussions with the City and conversations are ongoing regarding the purchase of a portion of that piece of property.

Mr. Carson then reported on Solids Handling. This is replacement of MSD's Solids Handling Infrastructure. Solids Handling refers to the unit processes at the plant that help to stabilize and reduce the volume of wastewater solids that are generated in the treatment process. MSD is currently in a Preliminary Engineering Report (PER) phase with Hazen & Sawyer. We are looking at solids handling processes that will replace the processes that we have now, which range in age from 20-40 years old and are at the end of their service life. The study is anticipated to be complete this coming fall. We currently have \$86 Million budgeted to replace those solids handling processes over the next 10 years.

Mr. Carson reported on the Biological Treatment Replacement. This is replacement of the Rotating Biological Contactors (RBC's). There are two things driving this project, first is the condition of the existing infrastructure. More importantly, there is a regulatory aspect. Staff has been working with DEQ over the past year. We now have a compliance level that will go into effect in December, 2037 for ammonia. The existing RBC's are 34 years old and near the end of their service life. Additionally, they are not designed to meet compliance levels that have been implemented. The total Project Budget is \$229 Million. We are in the PER phase for this project as well and Hazen & Sawyer is helping on this project also. The PER will help evaluate different technologies to replace the RBCs and we're down to three alternatives. Hazen will help with preliminary permitting with DEQ and then constructability or Maintenance of Plant Operations (MOPO). The treatment plant's footprint is very tight and in order to replace this infrastructure with something new while keeping the plant currently in service and in compliance is going to be very challenging. This will have to be phased, taking out a section at a time and replace with new technology. Phased construction is expected to occur over the course of about 7 years. We are about 2 years out from beginning design and permitting. We anticipate finishing the PER in this next fiscal year.

Mr. Lapsley thanked Mr. Carson for the presentation. He stated that \$600 Million was a very aggressive Capital Improvement Program over 10 years and asked if there was a feel for rate increase percentage. Mr. Hartye responded that these projects are what is driving the rate increases. Approximately 20 years ago the MSD Board adopted the idea of using a projection and having small rate increases over time as opposed to large increases. The current rate increase is 5%. Mr. Pelly asked what the average rate increase over the last 10 years has been. Mr. Hartye stated that he would need to look at the numbers but somewhere between 3% and 5%. Mr. Kelly asked if money was being set aside to pay this \$600 Million and if so, about how much a year. Mr. Hartye responded that MSD doesn't operate at a profit,

so anything not used for operation, which is 1/3 of budget, gets carried forward to the CIP. Mr. Kelly asked about how much is in reserve. Mr. Powell responded that there is about \$90 Million in the bank and will be used for future commitments. When you're looking at the \$610 Million and the proforma, \$320 Million is debt coming out. Most of that debt is reimbursed and goes into unrestricted reserves. MSD's debt has significantly gone down over 7 years. Mr. Hartye stated that he wanted these projects to be on the Board's radar not only because of the financial impact but social impact as well.

Mr. Hartye reported that MSD received the Clean Air Compliance Award from AB Air Quality Agency. Thanks to all Treatment Plant Staff.

Mr. Hartye reported that Regina Edwards at 102 Patton Mountain Road called to express her appreciation to the MSD crew for their prompt response to her sewer issue. She said they went above and beyond and were very helpful, friendly and hardworking. Thanks to Billy Cantrell, Gilbert Karn, Jimmy Brooks, Ronnie Buckner, and Jake Seymour.

Mr. Hartye reported that MSD participated in Transportation Day at Reynolds Mountain Christian Academy on Thursday, May 9th. James Norton and Dalton Coates took a vacuum truck and talked with approximately 160 kids ages Pre-K through 6th grade. Pics and thanks are attached.

Mr. Hartye reported that the Right of Way Committee Meeting will be held on June 26th at 9am. The next Regular Board Meeting will be held on July 17th at 2 pm.

8. Consolidated Motion Agenda:

a. Consideration of Developer Constructed Sewer Systems: 808 Montreat Road; Ingles #31 at Smokey Park: Sherwin Williams:

Mr. Hartye reported that the 808 Montreat Road project is located off Montreat Road in the Town of Black Mountain and included extending approximately 362 linear feet of 8-inch public gravity sewer to serve 3 homes in this residential development.

Mr. Hartye reported that the Ingles #31 @ Smokey Park: Sherwin Williams project is located along Smokey Park Highway in the City of Asheville and included relocating approximately 220 linear feet of 8-inch public gravity sewer along with abandoning approximately 200 linear feet of public sewer to accommodate this commercial development.

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

b. Consideration of Non-City of Asheville Road ROW Paving Restoration Contract - FY 2024-2025:

Mr. Hartye reported that this is an annual contract for restoration of roads, driveways and sidewalks resulting from District Maintenance activities for areas outside of the City of Asheville Road Right of Ways. These activities are both planned (new connections or small repairs) and unplanned (emergency repairs). This contract includes an option for two one-year renewal periods if it is in the District's best interest and both parties agree. The initial bid opening was on Friday, May 17, 2024; however, only one bid was received at that time. The project was re-advertised and a bid opening was held on Friday, May 24, 2024. Two bids were received as follows: C&T Paving, LLC with a bid amount of \$424,350.00 and French Broad Paving, Inc. with a bid amount of \$567,650.00. C&T Paving is the apparent low bidder. C&T Paving, LLC has performed previous projects for the District and have a good performance history. Staff recommends award of this contract to C&T Paving, LLC in the amount of \$424,350.00, subject to review and approval by District Counsel.

c. Report on City of Asheville Paving Agreement FY 2024-2025:

Mr. Hartye reported that this agreement is for small patches of 300 SF or less within the City Limits. Many years ago, it was decided that these small patches within City Limits were too onerous with administrative and permitting issues. An agreement was entered into between MSD and the City of Asheville for the City to do these small patches that were being made. For FY25, the District's monetary contribution for this agreement is \$273,068.39. This amount is based upon usage throughout the past three years. SF. The System Services CIP Construction Budget for FY25 includes appropriate funding for this item. This item is provided for information only.

d. Cash Commitment Investment Report – Month ended April, 2024:

Mr. Powell reported that Page 30 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 31 presents the MSD Investment Manager's report as of the month of April. The weighted average maturity of the investment portfolio is 46 days and the yield to maturity is 5.23%. Page 32 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 facility and tap fees are above historical trends due to the timing of various cash receipts from developers as well as these fees being budgeted conservatively. Page 33 presents the Districts 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 from year to year. Based on the current outstanding capital projects, YTD capital project expenditures are considered reasonable. Page 34

presents the District's Variable Debt Service Report. The 2008A Series Bonds are performing at budgeted expectations. As of the end of May, the issue has saved the District rate payers over \$7.7 million in debt service since April of 2008.

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

9. Public Hearing: Consideration of Resolution adopting Final Budget for FY 2024-2025 and the Schedule of Sewer Rates and Fees.

Mr. VeHaun declared the Public Hearing open at 2:43 pm.

Mr. VeHaun called for comments from the public or Board Members. There were no comments.

Mr. VeHaun declared the Public Hearing closed at 2:44 pm.

Mr. VeHaun called for a motion to approve the Resolution adopting the Final Budget for FY 24-25 and the Schedule of Sewer Rates and Fees. Ms. Wisler moved. Mr. Pelly seconded the motion. Roll call vote was as follows: 11 ayes; 0 nays.

10. Old Business: None.

11. New Business: None.

12. Adjournment:

With no further business, Mr. VeHaun called for adjournment at 2:45 pm.

Jackie W. Bryson, Secretary/Treasurer

**RIGHT OF WAY
COMMITTEE RECOMMENDATIONS
AND MINUTES
JUNE 26, 2024**

I. Call To Order

The regular monthly meeting of the Right of Way Committee was held in the Boardroom of the William H. Mull Building and called to order at 9:00 a.m. on Wednesday, June 26, 2024. The following Right of Way Committee members were present: Glen Kelly, Chairman, Matt Ashley, Jackie Bryson, Esther Manheimer, Chris Pelly, Nathan Pennington and Al Whitesides.

Others present: Jerry VeHaun, Board Chairman; Bob Watts, Board Member; William Clarke, MSD Counsel; Wesley Banner, Hunter Carson, Tim Hensley, Brendan Davey and Pam Nolan, MSD.

II. Inquiry as to Conflict of Interest

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

III. Consideration of Condemnation – Knauth Road GSR – Heirs of Margaret Smith Collier, Parcel Numbers 9668-27-4647 and 9668-27-5628:

Subject parcel is an unimproved, wooded lot along a private gravel road in East Asheville. The existing and proposed sewer lines are located within the limits of said private road. The proposed alignment was shifted to avoid conflict with a culvert and a drainage ditch. The proposed easement does not encumber any buildable area.

Staff contacted a local heir of the estate, and he directed us to deal directly with the estate's attorney. Kate Madison, MSD's real estate attorney, has been in contact with the estate attorney since August 2023. There are legal issues concerning the Estate that have delayed it being settled due to a handwritten will. Kate Madison prepared an Agreement to Convey Easement for the Estate Heirs to sign that would allow work to begin, and once the legal issues of the estate are settled the Heirs would sign the Easement Agreement. Kate's efforts to get the Agreement to Convey Easement signed by the Estate Heirs have been unsuccessful. Kate will continue to work with the estate attorney in attempts to reach a resolution, however we must begin construction soon.

The compensation offer is \$5224 and the owners countered with \$10,000. MSD countered this offer with \$7224 to reach a resolution, and the owners have not responded back.

Contacts: 7

STAFF RECOMMENDATION: Authority to obtain appraisal and proceed with condemnation, if necessary.

Mr. Banner reviewed the above information and presented a map showing the location. Mr. Ashley asked who the Estate's attorney is. Mr. Banner stated it is James Baley and he has been responsive. Mr. Banner added that he has been dealing with this parcel for right at a year now. Mr. Kelly made the motion to accept Staff's recommendation. Mr. Pelly seconded the motion. Voice vote was unanimous.

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

IV. Consideration of Compensation Budgets-

Avon Avenue @ Haywood Road GSR, Project No. 2021003
10 Balsam Road SSR, Project No. 2020214
Jonestown Road @ Riverside Drive GSR, Project No. 2018028
Sand Hill Road @ Baker Place SSR, Project No. 2015223

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

STAFF RECOMMENDATION: Approval of Compensation Budgets.

Mr. Banner reviewed the above compensation budgets. The Avon Avenue @ Haywood Road project is located in West Asheville and consists of replacing 218 linear feet of 6" and 8" VCP with 185 linear feet of PVC and 33 linear feet of DIP. The 10 Balsam Road project is located in Ridgecrest and consists of replacing 8" VCP and 4" Orangeburg with 483 linear feet of 8" DIP. The Jonestown Road @ Riverside Drive project is located in Woodfin and consists of replacing 6" VCP with 1,966 linear feet of 8" PVC and HDPE. The Sand Hill Road @ Baker Place project consists of replacing 6" VCP with 1,582 linear feet of 8" DIP.

Mr. Kelly made the motion to accept Staff's recommendation. Mr. Pelly seconded the motion. Voice vote was unanimous.

COMMITTEE RECOMMENDATION: Approval of Compensation Budgets.

VI. Other Business: None.

There being no further business, the meeting adjourned at 9:10 am.



MEMORANDUM

TO: MSD Board
FROM: Thomas E. Hartye, P.E., General Manager
DATE: August 15, 2024
SUBJECT: Report from the General Manager

- MSD Hydroelectric Facility

Attached is an excerpt from the “answer man” column in Asheville Watchdog.

- Kudos

- Carr Swicegood emailed to express his appreciation that Kevin Johnson (MSD’s Planning and Development Manager) goes above and beyond his job responsibilities and that he is knowledgeable of rules and process and is helpful on what is needed to get a CO for a job.
- Sandra Martin called to express her appreciation for a couple of MSD employees who changed a tire for her. She said she had been waiting 2-1/2 hours for AAA to come change the tire for her when two nice gentlemen in an MSD truck stopped to help her. She wanted to convey that she was very grateful.

- Covid Monitoring in Wastewater

Attached is a graph showing the recent surge in comparison to the last 3 years of data here in Buncombe. The NCDHHS Covid dashboard can be found at

<https://covid19.ncdhhs.gov/dashboard/wastewater-monitoring>

- Board/Committee Meetings/Events

The Right of Way Committee meeting will be held on August 28th at 9am. The next Regular Board Meeting will be held on September 18th at 2 pm.

Answer Man: French Broad River mysteriously rising and falling in Woodfin? Poop bags MIA on French Broad Greenway?



by JOHN BOYLE August 13, 2024

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The Metropolitan Sewerage District of Buncombe County operates a dam on the French Broad River, but MSD does not consume or remove any water from the river, according to General Manager Tom Hartye. "Only minimal fluctuations in the impoundment level upstream of the dam occur very infrequently as the facility is either being shut down or started up due to needed maintenance," he said. This photo shows the dam, which spans the French Broad River in the Woodfin area. // Photo provided by MSD of Buncombe County

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Today's round of questions, my smart-aleck replies, and the real answers:

Question: We have recently noticed days when the level of the French Broad River – specifically, we are seeing this in Woodfin above the Metropolitan Sewerage District dam – has dropped dramatically, exposing lots of rocks and occasionally the river bottom. Then it fills up again. Can you help us understand how and why this happens?

My answer: I don't think we want to know who finds this kind of flush necessary.



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LATEST NEWS

Confusion abounds in Buncombe about what trash can be recycled. Here's why.

by JOHN BOYLE August 8, 2024

Watchdog visual journalist Starr Sariego toured Curbie's recycling facility. Here's what she saw.

by STARR SARIEGO August 7, 2024

Buncombe residents use millions of recyclable plastic bags a year; nearly all end up in landfills, Watchdog finds

by MICHELLE FEUER and JOHN BOYLE August 7, 2024

Answer Man: What's the story behind the pink construction equipment on the I-26 project? Asheville Regional Airport rideshare drop-off area leaves you in the 'broiling' sun?

by JOHN BOYLE August 6, 2024

Real answer: This little mystery has a couple of plausible answers. My first stop was emailing Renee Fortner, watershed resources manager with RiverLink, the Asheville nonprofit that advocates for the French Broad River.

“A resident in the Olivette community reached out to me recently about this occurring along their riverfront on July 14,” Fortner said. “MSD can and does sometimes manipulate the river flow at Craggy Dam.”

Fortner said an MSD supervisor told her the utility was working on the flume at Craggy Dam, which required manipulating river flows.

Tom Hartye, general manager of MSD, said it does operate a hydroelectric facility on the French Broad River in Woodfin. The facility originally was built by W.T. Weaver in 1904 to provide electricity to Asheville.

“MSD rehabbed it in 1984 to provide energy to treat the region’s wastewater,” Hartye said via email. “This facility can produce 2.5 megawatts of clean renewable energy and reduces our carbon footprint by offsetting power needed from other fossil fuel sources.”

Now, about the rising and falling river levels.



The Metropolitan Sewerage District of Buncombe County operates a hydroelectric facility on the French Broad River in Woodfin. The facility originally was built by W.T. Weaver in 1904 to provide electricity to Asheville, but MSD rehabbed it in 1984 to provide energy to treat the region’s wastewater. It can produce 2.5 megawatts of renewable energy. This photo is from the dedication ceremony in 1904. // Photo provided by MSD of Buncombe County

“This facility does not consume or remove any water from the river,” Hartye said. “Only minimal fluctuations in the impoundment level upstream of the dam occur very infrequently as the facility is either being shut down or started up due to needed maintenance.”

So it sounds like that’s part of the answer. UNC Asheville environmental science professor Jeff Wilcox also offered more information, noting first that rivers have base flow and storm flow.

“Base flow is the steady state that in this part of the country comes from groundwater flowing into the stream,” Wilcox said. “The base flow is pretty steady. It takes pretty long periods of drought or wet conditions for base flow to go up or down much.”



The Metropolitan Sewerage District of Buncombe County operates a dam on the French Broad River. It's basically unheard of for the river to go dry, thanks to all the sources of groundwater the French Broad drain in its path from Transylvania into Henderson, Buncombe, and Madison counties. // Watchdog photo by John Boyle

It can fluctuate seasonally, if it's unusually wet or dry for a long time, but it's basically unheard of for the river to go dry, thanks to all the sources of groundwater the French Broad drain in its path from Transylvania into Henderson, Buncombe, and Madison counties.

“Even if we haven't had rainfall in a month, we still have water in the French Broad because that's groundwater discharging into the stream slowly over long periods of time,” Wilcox said.

On top of that is storm flow, which is just what it sounds like — a surge of runoff after big rain events.

“The spikes are usually pretty quick. They're quicker and taller in urban areas than they are in agricultural or forested areas,” Wilcox said, explaining that more rooftops and pavement create more runoff into storm drains.

Usually the river will return to base flow within a matter of hours after a heavy rain, Wilcox said, but it can last longer after repeated rainfalls over the course of several days.

Wilcox said his department has a small field site with a rain gauge in a Henderson County protected wetland area.

“There are times when water levels spiked but we recorded zero rainfall,” Wilcox said, noting that it poured rain higher up in the watershed, in Transylvania, flooding the site downstream.

So a heavy storm in Asheville can easily send a surge of water to Woodfin to the north.

And keep in mind that the French Broad does flow from south to north.

“If the storm hits in downtown Asheville, all that water is getting into the French Broad very quickly,” Wilcox said. “It's hitting the French Broad in a couple hours and it's gone to Tennessee by tomorrow.”

COVID-19 Wastewater Monitoring Data & Trends

Select Wastewater Treatment Plant:

MSD of Buncombe County

Select Start Date for Trend Classification below:

1/3/2021

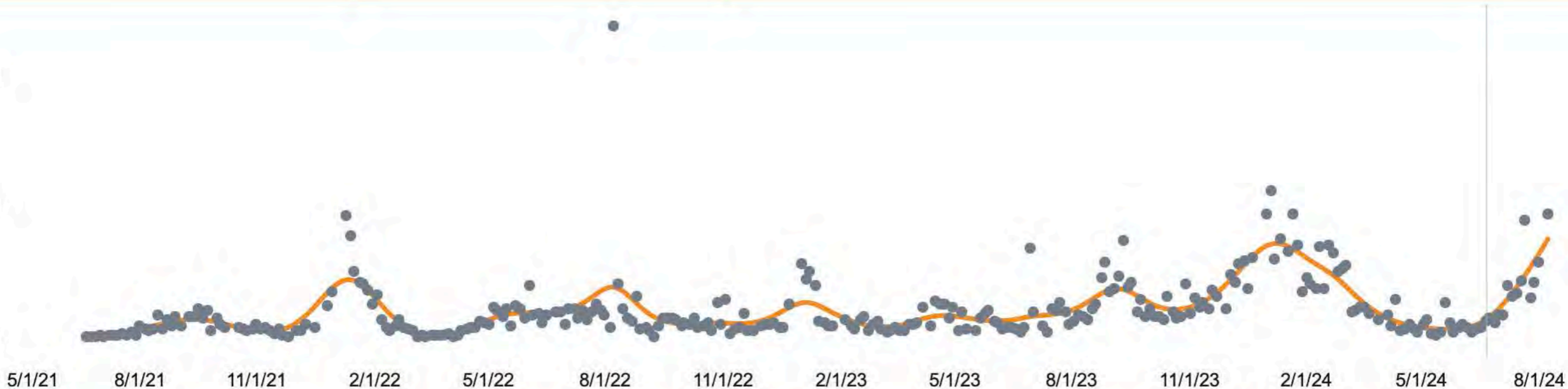
8/7/2024



COVID-19 Virus in Wastewater Samples - MSD of Buncombe County



Viral Gene Copies per Person (millions)



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

BOARD MEETING DATE: August 21, 2024

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

PREPARED BY: Hunter Carson, P.E. – Director of Engineering
Brendan Davey, P.E. – Project Manager

SUBJECT: Consideration of Bids: Elk Mountain Place Sanitary Sewer Rehabilitation Project, MSD Project No. 2010094

BACKGROUND: The Elk Mountain Place project is located in Woodfin near Elk Mountain Place, Springbrook Road, and Reese Street. It is comprised of 4,137 LF of 8-inch ductile iron pipe installed by dig and replace. The existing 6-inch vitrified clay sewer line is in poor condition, is undersized, and has experienced SSO's.

The project was advertised formally, and four sealed bids were received on July 25, 2024. The bids were read aloud at 2:00 p.m. in the following amounts:

<u>Contractor</u>	<u>Bid</u>
1) Thomas Construction Company	\$1,684,642.00
2) T.P. Howard's Plumbing Co, Inc.	\$1,310,000.00
3) Appalachian Site work, Inc.	\$1,234,099.88 (*)
4) Terry Brothers Construction Co.	\$1,133,123.00

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

The apparent low bidder is Terry Brothers Construction Company with a bid amount of \$1,133,123.00. Terry Brothers Construction Company has extensive experience with District rehabilitation projects and continues to provide excellent workmanship.

FISCAL IMPACT: The FY 24-25 construction budget for this project is \$1,457,000.

STAFF RECOMMENDATION: 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

Elk Mountain Place Sanitary Sewer Rehabilitation

Project No. 2010094

BID TABULATION

July 25, 2024

BIDDER	Bid Bond	MBE Form	Bid Forms (Proposal)	TOTAL BID AMOUNT
Thomas Construction Company Johnson City, TN	5%	1	Yes	\$1,684,642.00
T.P. Howard's Plumbing Company Fairview, NC	5%	1	Yes	\$1,310,000.00
Appalachian Site Work, Inc. Waynesville, NC	5%	1	Yes	(*) \$1,234,099.88
Terry Brothers Construction Company Leicester, NC	5%	1	Yes	\$1,133,123.00

APPARENT LOW BIDDER

(*) Indicates correction in bid amount.

Brendan G. Davey, 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 25th day of July, 2024, 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**

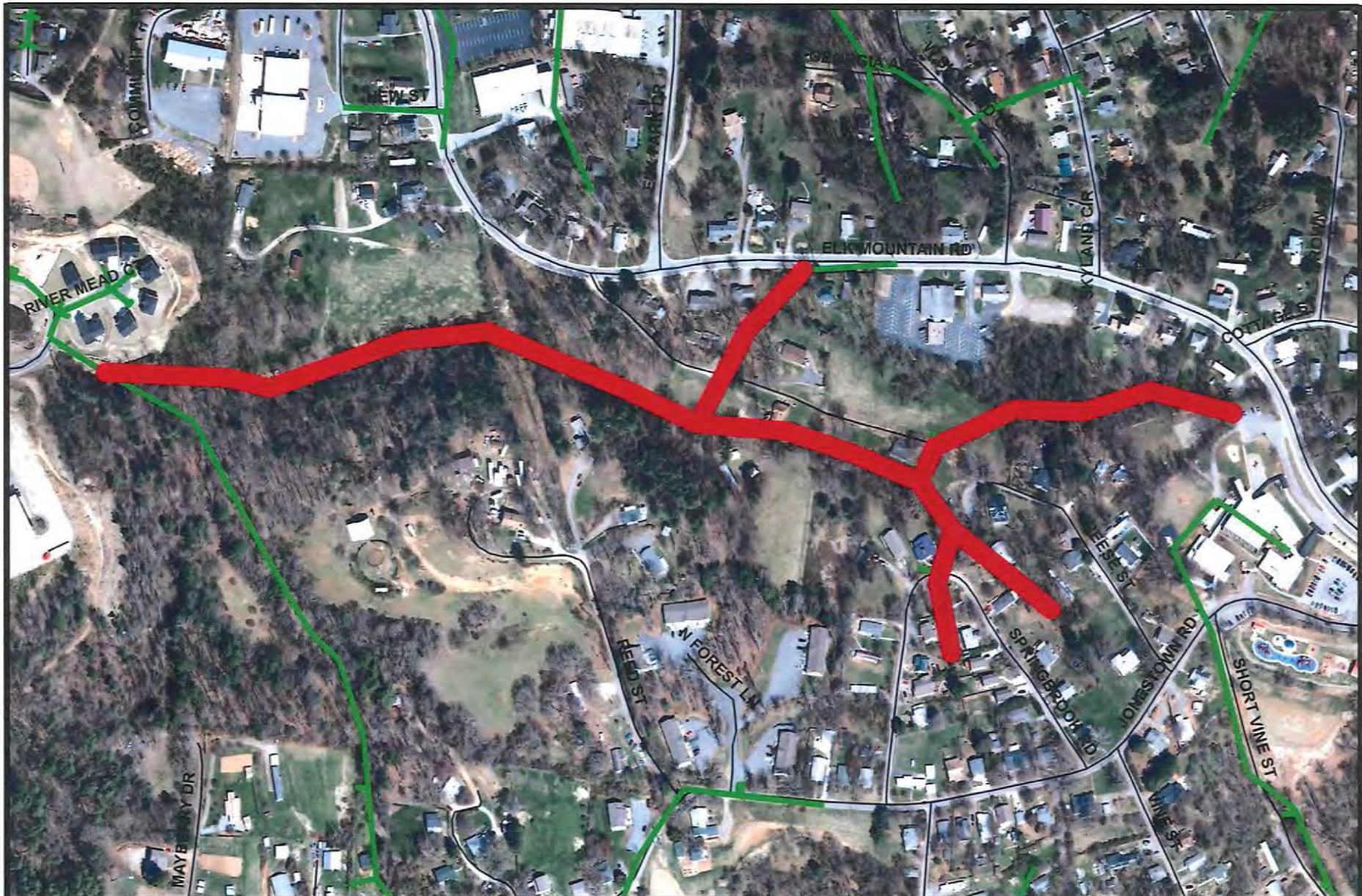
BUDGET DATA SHEET - FY 2024 - 2025

PROJECT: Elk Mountain Place	LOCATION: Woodfin
TYPE: General Sewer Rehab.	PIPE RATING: 8
PROJECT NO. 2010094	TOTAL LF: 4,137
PROJECT BUDGET: \$1,739,955.00	PROJECT ORIGIN: SSO's, Access, Line Condition

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/23	EST. COST JAN - JUNE 2024	BUDGET FY 24-25
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN	\$18,000.00	\$18,000.00		
55330 - DESIGN				
55340 - PERMITS	\$1,205.00	\$1,085.00	\$120.00	
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS	\$39,250.00	\$37,445.00	\$1,805.00	
55370 - LEGAL FEES	\$40,000.00	\$30,454.00	\$9,546.00	
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION	\$155,000.00	\$114,155.00	\$10,000.00	\$30,845.00
55400 - APPRAISAL	\$4,000.00		\$4,000.00	
55410 - CONDEMNATION	\$15,000.00	\$7,378.00	\$2,622.00	\$5,000.00
55420 - CONSTRUCTION	\$1,457,000.00			\$1,457,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING	\$2,000.00			\$2,000.00
55450 - SURVEY - ASBUILT	\$8,500.00			\$8,500.00
TOTAL AMOUNT	\$1,739,955.00	\$208,517.00	\$28,093.00	\$1,503,345.00

ENGINEER: MSD	BD	ESTIMATED BUDGETS - FY 26 - 34		
R.O.W. ACQUISITION: MSD	# PLATS: [37]	FY 25-26	\$0.00	
CONTRACTOR:		FY 26-27	\$0.00	
CONSTRUCTION ADM: MSD		FY 27-28	\$0.00	
INSPECTION: MSD		FY 28-29	\$0.00	
		FY 29-30	\$0.00	
		FY 30-31	\$0.00	
PROJECT DESCRIPTION: This project is located south of Elk Mountain Rd. between I-26 and the French Broad river. It is comprised of approximately 4,137 LF of 8-inch ductile iron pipe. The existing vitrified clay sewer line is in poor condition and has experienced SSO's.		FY 31-32	\$0.00	
		FY 32-33	\$0.00	
		FY 33-34	\$0.00	

SPECIAL PROJECT NOTES:



**Elk Mountain Place
Project No. 2010094**

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: August 21, 2024

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

PREPARED BY: Hunter Carson, P.E. - Director of Engineering
Tim Hensley, P.E. – Project Manager

SUBJECT: Consideration of Bids: Incinerator Sand Transport System, MSD Project No. 2024036

BACKGROUND: The Incinerator Building’s sand storage and transport system was originally installed in the early 1990’s. The system is responsible for conveying sand from an externally located storage silo into the incinerator. When coupled with sufficient air flow, the sand bed created inside the unit fluidizes and creates an environment that is critical to the sludge incineration process.

Over time, the sand inside the incinerator degrades and small amounts are lost during the process making it necessary to periodically add sand to the system. Maintaining a precise sand level in the bed provides proper sludge distribution and more efficient burn.

The existing incinerator sand transport system is at the end of its life. The conveyance of abrasive sand over 30 years has resulted in worn, eroded parts. Additionally, the system automation controls are no longer operable. The new system will include a larger storage silo with sufficient volume to fill the incinerator bed, a more efficient conveyance system that is less abrasive, and automatic controls to assist operators.

No bids were received on the project’s original bid date of Thursday, July 25, 2024, so the project was readvertised. One (1) bid was received on Thursday, August 1, 2024, as follows:

<u>Contractor</u>	<u>Bid</u>
1) Dynamic Air, Inc.	\$202,865.00

Dynamic Air, Inc. is the apparent low bidder with a bid amount of \$202,865.00. Dynamic Air, Inc. has successful installations at other facilities and is the manufacturer of the District’s existing system. Staff has generally been pleased with the existing system’s performance but worked with Dynamic Air during design of the replacement system to include modifications that will improve performance and ease of operation.

FISCAL IMPACT: The FY 24-25 budget for this project is \$275,000.00 and includes both equipment procurement and installation. Installation will be performed under a separate contract and is anticipated for Spring 2025.

STAFF RECOMMENDATION: Staff recommends award of this contract to Dynamic Air, Inc., contingent upon review and approval by District Counsel.

METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, NORTH CAROLINA

**Incinerator Sand Transport System Replacement
Project No. 2024036**

**BID TABULATION
August 1, 2024**

BIDDER	Bid Bond	Bid Forms	Total Bid Amount
Dynamic Air, Inc 1125 Willow Lake Blvd., Vadnais Heights, MN 55110	N/A	Yes	\$202,865.00

APPARENT LOW BIDDER

Signed and sealed by
Tim Hensley
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 1st day of August, 2024, in the W.H. Mull Building at the Metropolitan Sewerage District of Buncombe County, Asheville, North Carolina.

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

BUDGET DATA SHEET - FY 2024 - 2025

PROJECT: Incinerator Sand Transport System	LOCATION: MSD Treatment Plant
TYPE: Treatment Plant	PIPE RATING: N/A
PROJECT NO. 2024036	TOTAL LF: 0
PROJECT BUDGET: \$275,000.00	PROJECT ORIGIN: Aging Equipment and Condition

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/23	EST. COST JAN - JUNE 2024	BUDGET FY 24-25
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN				
55330 - DESIGN				
55340 - PERMITS				
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS				
55370 - LEGAL FEES				
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION				
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$275,000.00			\$275,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING				
55450 - SURVEY - ASBUILT				
TOTAL AMOUNT	\$275,000.00	\$0.00	\$0.00	\$275,000.00

ENGINEER: MSD	TH	ESTIMATED BUDGETS - FY 26 - 34	
R.O.W. ACQUISITION: MSD	# PLATS: [0]	FY 25-26	\$0.00
CONTRACTOR:		FY 26-27	\$0.00
CONSTRUCTION ADM: MSD		FY 27-28	\$0.00
INSPECTION: MSD		FY 28-29	\$0.00
		FY 29-30	\$0.00
		FY 30-31	\$0.00
PROJECT DESCRIPTION: Existing system is undersized and requires routine maintenance visits. Replacement of the Incinerator Sand Transport System will consist of replacing the sand silo, new dust collector, transport system and integrated controls, and sand reclaiming system.		FY 31-32	\$0.00
		FY 32-33	\$0.00
		FY 33-34	\$0.00

SPECIAL PROJECT NOTES:



**Incinerator Sand Transport System
Project No. 2024036**

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: August 21, 2024

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

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

SUBJECT: Consideration of Sole Source Procurement of Equipment:
MCC Replacement Project, MSD Project No. 2024040

BACKGROUND: Motor Control Centers (MCCs) are commonly used at wastewater treatment plants and provide a central location for controlling electric motors. The District's Water Reclamation Facility is home to a number of MCCs that control motors involved in all facets of the treatment process.

Two of the District's MCCs are dedicated to the intermediate clarifiers and non-potable water (NPW) pump station. The intermediate clarifier MCC powers various motors (e.g. chain and flight drive mechanisms, clarifier sludge pumps) that assist in the collection and conveyance of solids to the gravity thickeners. The NPW pump station MCC provides power to three pumps that convey treated effluent around the plant for NPW process needs.

These two MCCs were installed in the late 1980s and are at the end of their service life. The units are obsolete, and replacement parts are difficult to obtain.

In lieu of replacing both MCCs in kind, District staff identified an option for consolidating the controls into one MCC, resulting in significant cost savings. The cost of the single MCC is \$151,925.02. Ancillary gear, including a small transformer and power panels are required for the consolidation and cost an additional \$6,408.23 for a total purchase price of \$158,333.25.

FISCAL IMPACT: The FY 24-25 budget for this project is \$524,000.00 and includes both equipment procurement and installation. Installation will be performed under a separate contract and is anticipated for Spring 2025.

STAFF RECOMMENDATION: Staff recommends that the District approve a sole-source procurement of an Eaton brand MCC, contingent upon review and approval by District Counsel.

The District has standardized on Eaton MCCs since approximately 2015 and currently has Eaton MCCs in its influent pump station, high rate primary treatment, blower building, thickener building, and incinerator building. Benefits of equipment standardization include staff familiarity with operations and maintenance, and reduced spare parts inventory (i.e. fewer product types).

Sole-source procurement for purposes of standardization and/or compatibility is allowed per NCGS 143-129(e)(6).

Customer Quote For: METROPOLITAN SEWAGE

CED - ASHEVILLE

Quote: Q1099889

Revision #: 009

7 ROBERTS RD
 SUITE 10
 ASHEVILLE NC 28803
 Tel: (828)252-5313

Contact Name: MAURICE HIGGINS

Quote Date: 07/18/24
Updated On: 08/12/24
Expires On: 08/31/24

Job Name: MCC CLARIFIER

Attn:

Customer PO #:

Ship To: METROPOLITAN SEWAGE
 MAINTENANCE SHOP
 2028 RIVERSIDE DRIVE
 ASHEVILLE, NC 28804-0000
 TEL: (828)999-9999

Customer PO Date:

FOB: SHIPPING POINT

Freight: PREPAID

LN	Product	Qty	Price	Per *	Ext Price
01	EATON MCC	1	\$141,986.00	E	\$141,986.00
02	60 HZ, CLASS 1B WIRING, 480V 3-PHASE SERVICE, 65,000				
03	BRACING, 65K SHORT CIRCUIT RATING				
04	BOTTOM INCOMING, NEMA 1 GASKETED 21" FRONT MOUNT ONLY				
05	ENCLOSURE,				
06	1200A COPPER MAIN HORIZONTAL BUS, NO NEUTRAL				
07	MAIN BREAKER				
08	PER DRAWINGS SENT PRIOR				
09	PRICING STILL GOOD 8/31/24/24				

Merchandise: \$141,986.00
Tax: \$9,939.02
Total: \$151,925.02

PLEASE NOTE: THIS IS NOT AN OFFER TO CONTRACT, BUT MERELY A QUOTATION OF CURRENT PRICES FOR YOUR CONVENIENCE AND INFORMATION. ORDERS BASED ON THIS QUOTATION ARE SUBJECT TO YOUR ACCEPTANCE OF THE TERMS AND CONDITIONS LOCATED AT SALES.OUR-TERMS.COM, WHICH WE MAY CHANGE FROM TIME TO TIME WITHOUT PRIOR NOTICE. WE MAKE NO REPRESENTATION WITH RESPECT TO COMPLIANCE WITH JOB SPECIFICATIONS.

Customer Quote For: METROPOLITAN SEWAGE

CED - ASHEVILLE

Quote: Q1099888

Revision #: 003

7 ROBERTS RD
 SUITE 10
 ASHEVILLE NC 28803
 Tel: (828)252-5313

Contact Name: MAURICE HIGGINS

Quote Date: 07/18/24
Updated On: 08/12/24
Expires On: 08/31/24

Job Name: MSD MCC/CLARIFIER

Attn:

Ship To: METROPOLITAN SEWAGE
 7 ROBERTS RD
 SUITE 10
 ASHEVILLE, NC 28803-0000
 TEL: (828)254-6141

Customer PO #:

Customer PO Date:

FOB: SHIPPING POINT
Freight: PREPAID

LN	Product	Qty	Price	Per *	Ext Price
01	EATON PANEL 125A MB W/30 1P-20A	1	\$1,226.00	E	\$1,226.00
02	EATON PANEL 125A MB TRIM EZT2042S	1	\$75.00	E	\$75.00
03	EATON PANEL 125A MB CAN EZB2042R	1	\$125.00	E	\$125.00
04	EATON V48M28T4516 45KVA VNTD TFM EATON GENERAL PURPOSE VENTILATED TRANSFORMER, FUNGUS PROOF, AL WINDINGS, DOE 201	1	\$2,510.00	E	\$2,510.00
05	EATON LKS1 TFM TERM LUG KT DRY TYPE DISTRIBUTION TRANSFORMER ACCESSORY, TERMINAL LUG KIT, USED WITH 15 - 37	1	\$75.00	E	\$75.00
06	SQD BDA36060 MOLDED CASE CIRCUIT POWERPACT B-FRAME BRINGS THERMAL-MECHANICAL CIRCUIT PROTECTION IN A COMPACT SIZE AND OFFERS A WIDE RANGE OF ACCESSORIES, AUXILIARIES, AND CONNECTION OPTIONS. THIS POWERPACT B-FRAME CIRCUIT BREAKER PROVIDES THERMAL MAGNETIC CIRCUIT PROTECTION WITH A BREAKIN	1	\$989.00	E	\$989.00
07	SQD BDA36030 MOLDED CASE CIRCUIT POWERPACT B-FRAME BRINGS THERMAL-MECHANICAL CIRCUIT PROTECTION IN A COMPACT SIZE AND OFFERS A WIDE RANGE OF ACCESSORIES, AUXILIARIES, AND CONNECTION OPTIONS. THIS POWERPACT B-FRAME CIRCUIT BREAKER PROVIDES THERMAL MAGNETIC CIRCUIT PROTECTION WITH A BREAKIN	1	\$989.00	E	\$989.00
08	BDA IS A DIRECT REPLACEMENT FOR THE OBSOLITE FA SERIES				
09	PRICING GOOD UNTIL 8/31/24				

Merchandise: \$5,989.00
Tax: \$419.23
Total: \$6,408.23

PLEASE NOTE: THIS IS NOT AN OFFER TO CONTRACT, BUT MERELY A QUOTATION OF CURRENT PRICES FOR YOUR CONVENIENCE AND INFORMATION. ORDERS BASED ON THIS QUOTATION ARE SUBJECT TO YOUR ACCEPTANCE OF THE TERMS AND CONDITIONS LOCATED AT SALES.OUR-TERMS.COM, WHICH WE MAY CHANGE FROM TIME TO TIME WITHOUT PRIOR NOTICE. WE MAKE NO REPRESENTATION WITH RESPECT TO COMPLIANCE WITH JOB SPECIFICATIONS.

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

BUDGET DATA SHEET - FY 2024 - 2025

PROJECT: MCC Replacement	LOCATION: MSD - Treatment Plant
TYPE: Treatment Plant	PIPE RATING: N/A
PROJECT NO. 2024040	TOTAL LF: 0
PROJECT BUDGET: \$524,000.00	PROJECT ORIGIN: Aging Electrical Gear

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/23	EST. COST JAN - JUNE 2024	BUDGET FY 24-25
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN				
55330 - DESIGN				
55340 - PERMITS				
55350 - SPECIAL STUDIES				
55360 - EASEMENT PLATS				
55370 - LEGAL FEES				
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION				
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION	\$524,000.00			\$524,000.00
55430 - CONST. CONTRACT ADM.				
55440 - TESTING				
55450 - SURVEY - ASBUILT				
TOTAL AMOUNT	\$524,000.00	\$0.00	\$0.00	\$524,000.00

ENGINEER: MSD	HC	ESTIMATED BUDGETS - FY 26 - 34	
R.O.W. ACQUISITION: N/A	# PLATS: [0]	FY 25-26	\$0.00
CONTRACTOR: TBD		FY 26-27	\$0.00
CONSTRUCTION ADM.: MSD		FY 27-28	\$0.00
INSPECTION: MSD		FY 28-29	\$0.00
		FY 29-30	\$0.00
		FY 30-31	\$0.00
PROJECT DESCRIPTION: This project is to replace two obsolete motor control centers (MCC), one at the Plant Operations Maintenance Bldg. (#48) and another at the Clarifier Switchgear Bldg. (#33). Both MCC are over 30 yrs old and in poor condition. The Plant Ops MCC controls the constant pressure pumps and other 480V loads, while the Clarifier MCC controls the intermediate clarifier drives and sludge pumps.		FY 31-32	\$0.00
		FY 32-33	\$0.00
		FY 33-34	\$0.00
			\$0.00

SPECIAL PROJECT NOTES:



**MCC Replacement
Project No. 2024040**

NOT TO SCALE



METROPOLITAN SEWERAGE DISTRICT
of
BUNCOMBE COUNTY, NORTH CAROLINA

Budget Map

Metropolitan Sewerage District of Buncombe County

INFORMATION ONLY ITEM

BOARD MEETING DATE: AUGUST 21, 2024

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

PREPARED BY: Hunter Carson, P.E. - Director of Engineering
Brendan Davey, P.E. - Project Manager

SUBJECT: Consideration of Engineering Contract
MSD Plant and Pump Station Electrical Arc Flash Study (Fall 2024)
MSD Project Number 2023008

BACKGROUND: Summary of Project

This Arc Flash Study will verify safe working limits for approximately 148 electrical panels located throughout MSD facilities and pump stations. The contracted firm will accomplish this by conducting a short circuit, device evaluation, and selective coordination study using industry standard methods/models, and providing a comprehensive arc flash study based upon those results. An Arc Flash review is required a minimum every five years for affected electrical panels. This study will ensure that MSD meets the current guidance and standards of NFPA 70E, IEEE, and 29 CFR 1910.132(d)(1), relating to arc flash analysis and associated arc flash labeling.

The study will be used to correctly determine fuse, breaker, and switch gear ratings. These ratings will be used to evaluate the protective measures needed when working on or near plant electrical panels. Circuit breaker panels will display a permanent arc flash label, showing the required personal protective equipment when working near the panel.

This is the first of two studies this fiscal year. The second study in spring 2025 will address 58 additional electrical panels for which the arc flash review is due next year.

Selection of Design Firm

Staff advertised a Request for Qualifications (RFQ) in June 2024, and received only one response: McGill Associates, PA.

Staff evaluated the firm based on the following criteria:

- 1) Project Team and Subs
- 2) Similar Projects
- 3) Experience and References
- 4) Office Location
- 5) Familiarity of MSD's Electrical Systems, and
- 6) Approach to handling the Arc Flash Study.

McGill Associates is an established and well-respected consulting engineering firm. They also have extensive experience with MSD and the plant's electrical system. McGill has completed several Arc Flash studies for MSD in past years including one recently completed in April 2024. McGill's past Arc Flash studies and labels have been timely, complete, and fulfill the requirements of guidance and standards of NFPA 70E, IEEE, and 29 CFR 1910.132(d)(1).

Staff negotiated a price of \$79,100 which was considered reasonable based on scope of work and previous arc flash contracts completed by the District.

FISCAL IMPACT: The FY 24-25 Special Studies Budget for this CIP project is \$126,000.00. There are sufficient funds within the CIP for the project.

STAFF RECOMMENDATION: Staff recommends award of the engineering services contract to McGill Associates, in the amount of \$79,100.00 subject to review and approval by District Counsel.

June 20, 2024

Mr. Brendan Davey, PE
Project Engineer
Metropolitan Sewerage District of Buncombe County
2028 Riverside Drive
Asheville, NC 28804

RE: Proposal for Professional Services
FY 2024-25 Electrical Arc Flash Study

Dear Brendan:

McGill Associates (McGill) is pleased to submit this proposal for professional engineering services to Metropolitan Sewerage District of Buncombe County (MSD) to provide an Arc Flash Study (Study) and associated field labeling at several MSD's facilities. Our understanding of the scope of the Study is based upon the information contained in the original RFQ for the Study and the MSD provided (via email on June 6, 2024) component list to be included in the Study (see Appendix A in this proposal).

The Study will provide information to MSD to assure that they meet current standards in accordance with 29CFR1910.132(d)(1), NFPA 70E, and thereby safeguard workers from injury while working on or near exposed electrical conductors or circuit parts that are energized. The Study will provide MSD with the necessary flash protection boundary distances and incident energy to determine the correct work procedures, PPE, and labeling requirements for their existing facilities.

SCOPE OF SERVICES

McGill shall provide the following services associated with the Study:

1. Obtain source impedance data, transformer and feeder impedance data and associated protective device settings from the electric utility company for each service.
2. Obtain field data and create facility one-line models using an appropriate electronic model/database in ETAP power analysis system software. McGill will provide engineering personnel to perform the field work with the assistance of MSD personnel.
3. Determine system operating modes and conditions that can impact short circuit currents and arc flash hazard energy levels.
4. Perform a preliminary short circuit and equipment verification study to verify that the facility's equipment is rated to safely handle short circuit currents without creating hazardous conditions. To complete the preliminary study, McGill will first perform a fault current study to determine the magnitude of fault currents flowing throughout the power system at various time intervals after a fault (short circuit) occurs in the system. This study will be completed for three-phase, phase-to-phase and phase-to-ground faults at different locations throughout the system. The study cases will consider the various

operating scenarios (different sources and loads) for each system. From this calculated fault current data, along with fault duration data, each existing device will be evaluated for adequacy to interrupt imposed fault current. Any over-dutied circuit breakers, fuses, switches and conductors will be identified along with optional strategies to correct the condition.

5. Review the preliminary study described above with the MSD for comments and approval.
6. At the completion of the preliminary study and after any adjustments are made as a result of preliminary findings, the final study will be completed and certified by McGill. The final Study will include a protective device coordination study and the arc flash hazard study to determine arc flash energy levels and arc flash protection boundaries.
7. Prepare a detailed report on findings of the analysis. The report will include fault current and arc flash energy and clearance conditions at each electrical bus for each operating scenario. Coordination curves will be presented for groups of interrelated protection devices along with corresponding one-line diagrams. McGill will provide complete one-lines of all systems studied in both paper and PDF form. The one-lines will display ratings information about all conductors and devices such as wire size, type, raceways, buses, controllers, fuses, circuit breakers, transformers, utility sources, generators and loads.
8. Produce and furnish to MSD for installation arc flash informational labels for appropriate equipment identified and studied for incident energy and PPE requirements to satisfy NFPA 70E. We will not provide labels for underrated equipment or any equipment on the load side of an underrated overcurrent protection device.
9. Provide one (1) hard copy of the analysis report and an electronic copy on CD. Provide one copy in PDF format.

EQUIPMENT VERIFICATION/OPERATION

The validity of the Study and incident energy readings is in part based on proper setting of overcurrent device trip times and the proper operation of the overcurrent devices and breakers themselves. MSD will be responsible for proper settings and operation of overcurrent devices and breakers.

MSD RESPONSIBILITIES

1. Assist McGill with the collection of field manufacturer's nameplate data of applicable existing equipment, including protective relays and settings; circuit breakers and trip modules; fuses; transformers; switchgear; switchboards; and power feeders for the systems involved. Data collected will include nameplate data; short circuit and equipment duty ratings; bus/conductor type, size and length; continuous voltage and current ratings; and protective device make and model. MSD will provide personnel to open enclosures to allow the necessary observation of equipment to collect the data.
2. Provide copies of all available record drawings and diagrams of the existing systems under study.

3. Make all necessary arrangements for McGill to enter facilities as may be required for McGill to perform their services under this Agreement.
4. Examine all studies, reports, and other documents presented by McGill and render decisions and comments pertaining thereto within a reasonable time so as not to delay the services of McGill.
5. Affixing the arc flash labels on equipment.

BASIS OF COMPENSATION

McGill will provide the services described herein for a **lump-sum fee of \$79,100.00.**

Our invoice payment terms are Net 30 days.

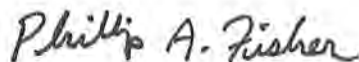
OTHER ADDITIONAL SERVICES

Any item not contained in Project Understanding or Scope of Services will be deemed as other additional services. If requested by MSD, we will provide other additional services per our Basic Fee Schedule (see attached).

ACCEPTANCE

We have prepared and attached MSD's standard Agreement for Engineering Services detailing the requirements for the work. If it is acceptable to you, please execute and return the Agreement for execution by McGill. We appreciate your consideration for our services with the study and hope to have the opportunity of working with you. Please do not hesitate to contact us if you have any questions or need additional information.

Sincerely,
McGILL ASSOCIATES, P.A.



Phillip A. Fisher, PE
Senior Project Manager



Doug Chapman, PE
Vice President / Regional Manager

Attachment: Appendix A
Basic Fee Schedule
Agreement for Engineering Services

Cc: Nick Huffman, PE, McGill Associates, PA (via email)
Mark Cathey, PE, McGill Associates, PA (via email)

Appendix A - Site List

Pump Station	Arc Flash Label Date of inspection	Next Arc Flash Inspection due date	# OF LABELS PER STATION
Arboretum	10/8/2018	10/8/2023	5
Ashley Woods	10/3/2018	10/3/2023	3
Biltmore Lake #1	10/31/2018	10/31/2023	5
Biltmore Lake #2	10/31/2018	10/31/2023	5
Black Mountain	10/3/2018	10/3/2023	3
Carrier Bridge	11/20/2018	11/20/2023	16
Clayton Road	11/14/2018	11/14/2023	3
Cliffs - Walnut Cove #1	10/3/2018	10/3/2023	4
Cliffs - Walnut Cove #2	10/3/2018	10/3/2023	4
Crest Mountain #1	10/3/2018	10/3/2023	3
Crest Mountain #2	10/3/2018	10/3/2023	3
Haywood Church	10/3/2018	10/3/2023	3
Leicester Village	10/4/2018	10/4/2023	4
Mountain View	10/4/2018	10/4/2023	9
Ridgefield #2	10/4/2018	10/4/2023	5
Salem Acres	10/4/2018	10/4/2023	2
SouthRidge	10/4/2018	10/4/2023	5
Villas at Cedar Hill	10/24/2018	10/24/2023	4
Waightstill Mountain	10/4/2018	10/4/2023	4

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Plant / Hydro EQUIPMENT Location	Arc Flash Label Date of inspection	Next Arc Flash Inspection due date	
SCADA OFFICE	6/14/2019	6/14/2024	1
SCADA OFFICE	6/14/2019	6/14/2024	1
DUMPING STATION	6/14/2019	6/14/2024	1
DUMPING STATION	6/14/2019	6/14/2024	1
INFLUENT SAMPLE BLD	6/14/2019	6/14/2024	1
RAW BLD	6/18/2019	6/18/2024	1
RAW BLD	6/14/2019	6/14/2024	1
RAW BLD BAR SCREEN	9/24/2019	9/24/2024	1
BAR SCREEN	9/24/2019	9/24/2024	1
BAR SCREEN	9/24/2019	9/24/2024	1
BAR SCREEN	9/24/2019	9/24/2024	1
COMPOSITE BLD	6/14/2019	6/14/2024	1

Appendix A - Site List

BAR SCREEN	9/24/2019	9/24/2024	1
RAW BLD	6/14/2019	6/14/2024	1
RAW BLD	6/14/2019	6/14/2024	1
RAW BLD	6/14/2019	6/14/2024	1
RAW BLD	6/14/2019	6/14/2024	1
RAW BLD	6/14/2019	6/14/2024	1
RAW BLD	6/14/2019	6/14/2024	1
RAW BLD 2ND FLOOR	6/14/2019	6/14/2024	1
RAW BLD VFD CONTROL ROOM	6/14/2019	6/14/2024	1
RAW BLD VFD CONTROL ROOM	6/14/2019	6/14/2024	1
RAW BLD VFD CONTROL ROOM	6/14/2019	6/14/2024	1
RAW BLD VFD CONTROL ROOM	6/14/2019	6/14/2024	1
RAW BLD VFD CONTROL ROOM	6/14/2019	6/14/2024	1
WUKESHA BLD OUTSIDE TIE SWITCH	9/24/2019	9/24/2024	1
WUKESHA BLD OUTSIDE TIE SWITCH	9/24/2019	9/24/2024	1
WUKESHA BLD OUTSIDE TIE SWITCH	9/24/2019	9/24/2024	1
WUKESHA BLD OUTSIDE TIE SWITCH	9/24/2019	9/24/2024	1
FINE SCREENS	9/24/2019	9/24/2024	1
FINE SCREENS	9/24/2019	9/24/2024	1
FINE SCREENS	9/24/2019	9/24/2024	1
FINE SCREENS	9/27/2019	9/27/2024	1
FINE SCREENS	9/24/2019	9/24/2024	1
FINE SCREENS	9/24/2019	9/24/2024	1
FINE SCREENS	9/24/2019	9/24/2024	1
FINE SCREENS	9/24/2019	9/24/2024	1
FINE SCREENS	9/24/2019	9/24/2024	1
FINE SCREENS	9/24/2019	9/24/2024	1
FINE SCREENS	9/24/2019	9/24/2024	1
FINE SCREENS	9/24/2019	9/24/2024	1
FINE SCREENS	9/24/2019	9/24/2024	1
FINE SCREENS	9/24/2019	9/24/2024	1
SURGE BLD CONTROL ROOM	9/24/2019	9/24/2024	1
SURGE BLD CONTROL ROOM	9/24/2019	9/24/2024	1
SURGE PUMP #1	9/24/2019	9/24/2024	1
SURGE PUMP #2	9/24/2019	9/24/2024	1
SURGE PUMP #3	9/24/2019	9/24/2024	1
OLD MAINT SHOP	9/17/2019	9/17/2024	1
THICKNER BLD	9/24/2019	9/24/2024	1
TC BLD 1ST FLOOR	6/14/2019	6/14/2024	1
TC BLD 1ST FLOOR	6/14/2019	6/14/2024	1
TC BLD 2ND FLOOR	9/17/2019	9/17/2024	1
TC BLD MCC ROOM ROOF	9/17/2019	9/17/2024	1
TC BLD 2ND FLOOR MCC ROOM	6/14/2019	9/14/2024	1
TC BLD 2ND FLOOR MCC ROOM	6/14/2019	9/14/2024	1
TC BLD 2ND FLOOR MCC ROOM	6/14/2019	9/14/2024	1
TC BLD 2ND FLOOR MCC ROOM	6/14/2019	9/14/2024	1

Appendix A - Site List

TC BLD 2ND FLOOR MCC ROOM	6/14/2019	9/14/2024	1
TC BLD 2ND FLOOR MCC ROOM	6/14/2019	9/14/2024	1
TC BLD 2ND FLOOR MCC ROOM	6/14/2019	9/14/2024	1
TC BLD 2ND FLOOR MCC ROOM	6/14/2019	9/14/2024	1

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BASIC FEE SCHEDULE

January 2024

PROFESSIONAL FEES	I	II	III	IV
Senior Principal	\$280			
Principal – Regional Manager – Director	\$235	\$240	\$255	\$265
Practice Area Lead	\$205	\$225	\$235	\$250
Senior Project Manager	\$210	\$225	\$230	\$235
Senior Engineer	\$210	\$225	\$230	\$235
Project Manager	\$180	\$195	\$200	\$205
Senior Project Engineer	\$180	\$195	\$200	\$205
Project Engineer	\$145	\$155	\$165	\$175
Engineering Associate	\$125	\$130	\$135	\$140
Planner- Consultant – Designer	\$125	\$140	\$165	\$175
Engineering Technician	\$115	\$125	\$135	\$145
CAD Operator – GIS Analyst	\$95	\$105	\$115	\$125
Construction Services Manager	\$150	\$160	\$175	\$195
Construction Administrator	\$120	\$135	\$145	\$155
Financial Services Manager	\$135	\$145	\$155	\$165
Grant Administrator	\$120	\$135	\$145	\$155
Construction Field Representative	\$95	\$110	\$120	\$135
Environmental Specialist	\$95	\$105	\$110	\$115
Administrative Assistant	\$80	\$85	\$95	\$110
Survey Party Chief	\$95	\$110	\$125	\$145
Survey Field Technician	\$80	\$85	\$90	\$95

EXPENSES

- a. Mileage - \$0.70/mile
- b. Flow Monitoring Equipment: Pressure Flow Meter- \$400/wk.; Gravity Flow Meter - \$1,000/deployment
- c. Robotics/GPS Equipment: \$30/hr.
- d. Telephone, reproduction, postage, lodging, and other incidentals shall be a direct charge per receipt.

ASSOCIATED SERVICES

- a. Associated services required by the project such as soil analysis, materials testing, etc., shall be at cost plus ten (10) percent.

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

BUDGET DATA SHEET - FY 2024 - 2025

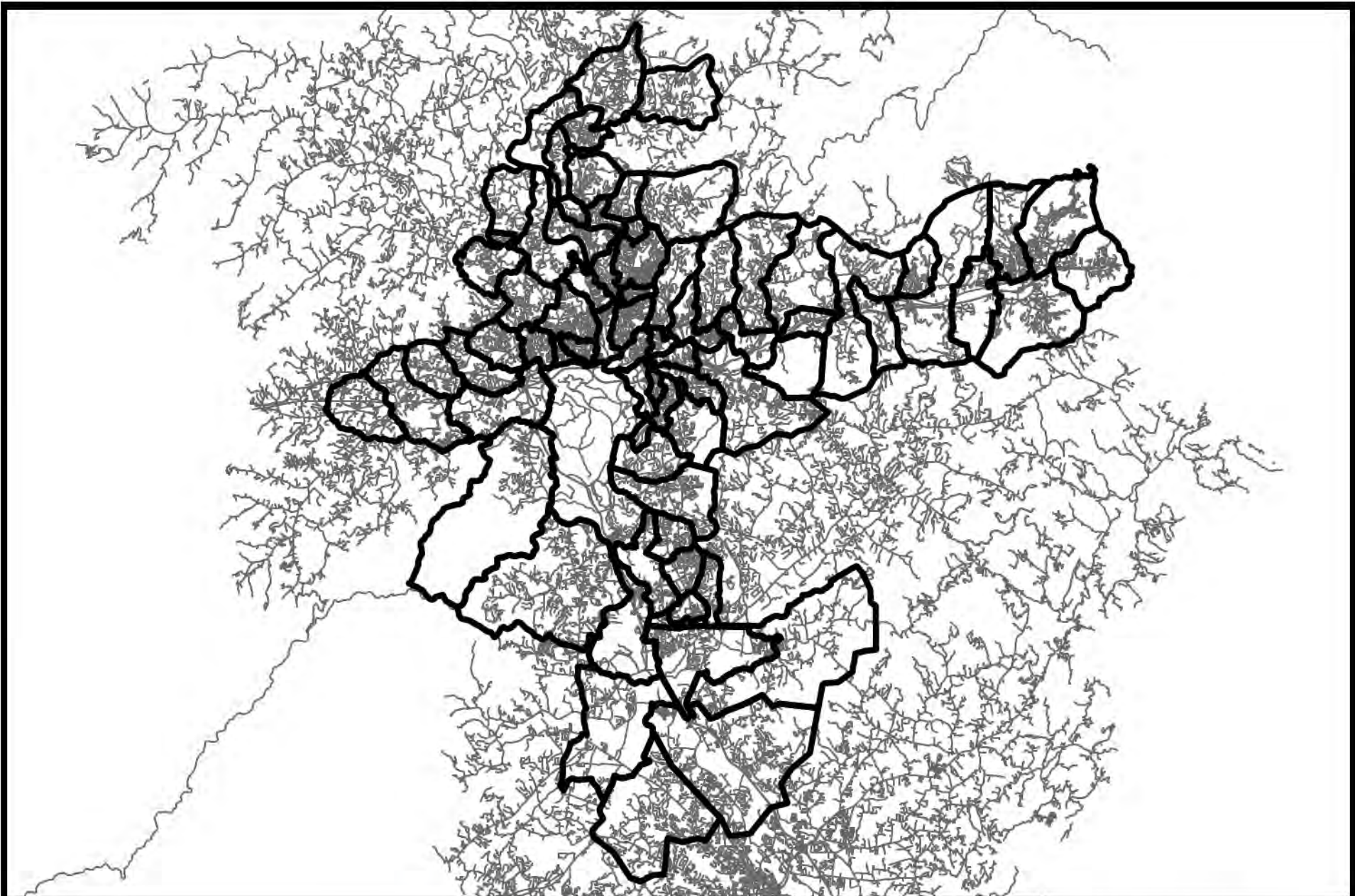
PROJECT: Arc Flash Labeling	LOCATION: District-Wide
TYPE: General Cap. Improv. - Annual	PIPE RATING: N/A
PROJECT NO. 2023008	TOTAL LF: 0
PROJECT BUDGET: \$340,225.00	PROJECT ORIGIN: OSHA/NFPA Code requirement

DESCRIPTION	ESTIMATED PROJECT COST	TOTAL EXPENDS THRU 12/31/23	EST. COST JAN - JUNE 2024	BUDGET FY 24-25
55310 - PRELIM. ENGINEERING				
55320 - SURVEY - DESIGN				
55330 - DESIGN				
55340 - PERMITS				
55350 - SPECIAL STUDIES	\$339,400.00	\$30,568.00	\$47,832.00	\$126,000.00
55360 - EASEMENT PLATS				
55370 - LEGAL FEES	\$825.00	\$225.00		\$600.00
55380 - ACQUISITION SERVICES				
55390 - COMPENSATION				
55400 - APPRAISAL				
55410 - CONDEMNATION				
55420 - CONSTRUCTION				
55430 - CONST. CONTRACT ADM.				
55440 - TESTING				
55450 - SURVEY - ASBUILT				
TOTAL AMOUNT	\$340,225.00	\$30,793.00	\$47,832.00	\$126,600.00

ENGINEER: Consultant	TBD	ESTIMATED BUDGETS - FY 26 - 34	
R.O.W. ACQUISITION:	# PLATS: []	FY 25-26	\$15,000.00
CONTRACTOR:		FY 26-27	\$15,000.00
CONSTRUCTION ADM: MSD		FY 27-28	\$15,000.00
INSPECTION: MSD		FY 28-29	\$15,000.00
		FY 29-30	\$15,000.00
		FY 30-31	\$15,000.00
		FY 31-32	\$15,000.00
		FY 32-33	\$15,000.00
		FY 33-34	\$15,000.00

PROJECT DESCRIPTION: This item is for the replacement of arc flash labels on all MSD-owned electrical panels within the District (located at various MSD buildings, pump stations and treatment plant). Arc flash labels are required by the National Fire Protection Assoc. (NFPA) and warn of potential arc flash hazards. Labeling must be reviewed every five (5) years per NFPA 70, Section 1160.16.

SPECIAL PROJECT NOTES:



**Arc Flash Labeling
Project No. 2023008**

NOT TO SCALE

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

Budget Map

Metropolitan Sewerage District of Buncombe County

Board Action Item - Right-of-Way Committee

COMMITTEE MEETING DATE: 6/26//2024

BOARD MEETING DATE: 8/21/2024

SUBMITTED BY: Tom Hartye, PE, General Manager
PREPARED BY: Angel Banks, Right of Way Manager
Wesley Banner, Right of Way Agent

REVIEWED BY: Hunter Carson, PE, Director of CIP

**SUBJECT: Consideration of Condemnation-
Knauth Road GSR
MSD Project No. 2015220**

**Owner Name: Heirs of Margaret Smith Collier
Parcel Numbers: 9668-27-4647 and 9668-27-5628**

Subject parcel is an unimproved, wooded lot along a private gravel road in East Asheville. The existing and proposed sewer lines are located within the limits of said private road. The proposed alignment was shifted to avoid conflict with a culvert and a drainage ditch. The proposed easement does not encumber any buildable area.

Staff contacted a local heir of the estate, and he directed us to deal directly with the estate's attorney. Kate Madison, MSD's real estate attorney, has been in contact with the estate attorney since August 2023. There are legal issues concerning the Estate that have delayed it being settled due to a handwritten will. Kate Madison prepared an Agreement to Convey Easement for the Estate Heirs to sign that would allow work to begin, and once the legal issues of the estate are settled the Heirs would sign the Easement Agreement. Kate's efforts to get the Agreement to Convey Easement signed by the Estate Heirs have been unsuccessful. Kate will continue to work with the estate attorney in attempts to reach a resolution, however we must begin construction soon.

The compensation offer is \$5224 and the owner's countered with \$10,000. MSD countered this offer with \$7224 to reach a resolution, and the owners have not responded back.

Contacts: 7

STAFF RECOMMENDATION: Authority to obtain appraisal and proceed with condemnation, if necessary.

Mr. Banner reviewed the above information and presented a map showing the location. Mr. Ashley asked who the Estate's attorney is. Mr. Banner stated it is James Baley and he has been responsive. Mr. Banner added that he has been dealing with this parcel for right at a year now. Mr. Kelly made the motion to accept Staff's recommendation. Mr. Pelly seconded the motion. Voice vote was unanimous.

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

Metropolitan Sewerage District of Buncombe County
Board Action Item - Right-of-Way Committee

COMMITTEE MEETING DATE: 6/26//2024

BOARD MEETING DATE: 7/17/2024

SUBMITTED BY: Tom Hartye, PE, General Manager
PREPARED BY: Angel Banks, Right of Way Manager
Wesley Banner, Right of Way Agent
REVIEWED BY: Hunter Carson, PE, Director of CIP

SUBJECT: Consideration of Compensation Budgets-

Avon Avenue @ Haywood Road GSR, Project No. 2021003
10 Balsam Road SSR, Project No. 2020214
Jonestown Road @ Riverside Drive GSR, Project No. 2018028
Sand Hill Road @ Baker Place SSR, Project No. 2015223

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

STAFF RECOMMENDATION: Approval of Compensation Budgets.

Mr. Banner reviewed the above compensation budgets. The Avon Avenue @ Haywood Road project is located in West Asheville and consists of replacing 218 linear feet of 6” and 8” VCP with 185 linear feet of PVC and 33 linear feet of DIP. The 10 Balsam Road project is located in Ridgecrest and consists of replacing 8” VCP and 4” Orangeburg with 483 linear feet of 8” DIP. The Jonestown Road @ Riverside Drive project is located in Woodfin and consists of replacing 6” VCP with 1,966 linear feet of 8” PVC and HDPE. The Sand Hill Road @ Baker Place project consists of replacing 6” VCP with 1,582 linear feet of 8” DIP.

Mr. Kelly made the motion to accept Staff’s recommendation. Mr. Pelly seconded the motion. Voice vote was unanimous.

COMMITTEE RECOMMENDATION: Approval of Compensation Budgets.

Avon Avenue @ Haywood Road GSR

Project Number: 2021003

Compensation Budget

10-Jun-24

PIN and Name		Acres	Parcel SF	Land Value	LV/SF	Net PE SF	PE Assd. Value	50% PE Assd. Value	TCE SF	TCE Assd. Value	10% Annl Return	Proj Time	TCE Rent Value	Total Comp. (Rounded)		
27 Pin	83 Pin															
	9638854910	Billings	Carl	0.24	10,454.40	\$97,200.00	\$9.30	363.10	\$3,376.83	\$1,688.42	669.60	\$6,227.28	\$622.73	1	\$51.89	\$1,740
	9638854615	Bushkar	Loren	0.10	4,356.00	\$86,200.00	\$19.79	127.90	\$2,531.14	\$1,265.57	289.30	\$5,725.25	\$572.52	1	\$47.71	\$1,313
	9638854852	Singleton	Leah	0.15	6,534.00	\$91,100.00	\$13.94	117.10	\$1,632.37	\$816.19	1,351.50	\$18,839.91	\$1,883.99	1	\$157.00	\$973
	9638855736	Sosebee	Avery	0.21	9,147.60	\$95,400.00	\$10.43	0.00	\$0.00	\$0.00	342.80	\$3,575.40	\$357.54	1	\$29.80	\$30
	9638855607	Stone	John	0.20	8,712.00	\$94,800.00	\$10.88	0.00	\$0.00	\$0.00	715.20	\$7,781.38	\$778.14	1	\$64.84	\$65
	9638853746	Varela	Paul	0.62	27,007.20	\$99,700.00	\$3.69	3,797.80	\$14,013.88	\$7,006.94	5,131.40	\$18,934.87	\$1,893.49	1	\$157.79	\$7,165
TOTALS:													\$11,286			
Staff Contingency:													\$5,000			
GM's Contingency													\$5,000			
Amendment																
Total Budget:													\$21,286			

10 Balsam Road SSR

Project Number: 2020214

Compensation Budget

10-Jun-24

PIN and Name		Acres	Parcel SF	Land Value	LV/SF	Net PE SF	PE Assd. Value	50% PE Assd. Value	TCE SF	TCE Assd. Value	10% Annl Return	Proj Time	TCE Rent Value	Total Comp. (Rounded)	
27 Pin	83 Pin														
0629588501	Blair	Christopher	0.52	22,651.20	\$36,100.00	\$1.59	5,247.40	\$8,343.37	\$4,171.68	3,925.40	\$6,241.39	\$624.14	2	\$104.02	\$4,276
0629585399	Brackett	Raymond	0.61	26,571.60	\$36,900.00	\$1.39	1,125.30	\$1,564.17	\$782.08	1,774.30	\$2,466.28	\$246.63	2	\$41.10	\$823
0629586374	Comstock, Jr.	James	0.47	20,473.20	\$35,600.00	\$1.74	249.40	\$433.96	\$216.98	1,225.00	\$2,131.50	\$213.15	2	\$35.53	\$253
0629585426	Harris	Tommy	0.29	12,632.40	\$33,300.00	\$2.64	727.50	\$1,920.60	\$960.30	1,073.70	\$2,834.57	\$283.46	2	\$47.24	\$1,008
0629589548	O'Grady	Maureen	0.42	18,295.20	\$35,000.00	\$1.91	257.30	\$491.44	\$245.72	395.30	\$755.02	\$75.50	2	\$12.58	\$258
0629587538	Ridgecrest Foundation, Inc.		0.51	22,215.60	\$36,000.00	\$1.62	999.40	\$1,619.03	\$809.51	1,481.20	\$2,399.54	\$239.95	2	\$39.99	\$850
0629586654	Ridgecrest Foundation, Inc.		0.51	22,215.60	\$36,000.00	\$1.62	776.50	\$1,257.93	\$628.97	1,185.70	\$1,920.83	\$192.08	2	\$32.01	\$661
0720404586	Ridgecrest Foundation, Inc.		689.12	30,018,067.20	\$1,417,800.00	\$0.05	75.20	\$3.76	\$1.88	108.60	\$5.43	\$0.54	2	\$0.09	\$2

TOTALS:	\$8,130
Staff Contingency:	\$10,000
GM's Contingency	\$10,000
Amendment	
Total Budget:	\$28,130

Jonestown Rd. @ Riverside Dr. GSR

Project Number: 2018028

Compensation Budget

10-Jun-24

PIN and Name		Acres	Parcel SF	Land Value	LV/SF	Net PE SF	PE Assd. Value	50% PE Assd. Value	TCE SF	TCE Assd. Value	10% Annl Return	Proj Time	TCE Rent Value	Total Comp. (Rounded)	
27 Pin	83 Pin														
9730235002	Bean	Scott	0.63	27,442.80	\$46,300.00	\$1.69	5,079.90	\$8,585.03	\$4,292.52	6,748.80	\$11,405.47	\$1,140.55	4	\$380.18	\$4,673
9730225238	Brown	Wayne	0.27	11,761.20	\$41,200.00	\$3.50	242.20	\$847.70	\$423.85	499.50	\$1,748.25	\$174.83	4	\$58.28	\$482
9730225326	Brown	Wayne	0.60	26,136.00	\$46,000.00	\$1.76	5,560.10	\$9,785.78	\$4,892.89	5,134.70	\$9,037.07	\$903.71	4	\$301.24	\$5,194
9730217506	Church of The Redeemer		2.39	104,108.40	\$95,500.00	\$0.92	1,596.50	\$1,468.78	\$734.39	2,186.10	\$2,011.21	\$201.12	4	\$67.04	\$801
9730225966	Johnson	David	0.24	10,454.40	\$40,500.00	\$3.87	469.20	\$1,815.80	\$907.90	875.10	\$3,386.64	\$338.66	4	\$112.89	\$1,021
9730227031	SFH Financial LLC		0.81	35,283.60	\$47,900.00	\$1.36	225.50	\$306.68	\$153.34	1,722.10	\$2,342.06	\$234.21	4	\$78.07	\$231
9730226149	Shelton LE	Coralee	1.02	44,431.20	\$62,000.00	\$1.40	7,540.30	\$10,556.42	\$5,278.21	11,261.10	\$15,765.54	\$1,576.55	4	\$525.52	\$5,804
9730226809	Verney	Richard	0.23	10,018.80	\$40,300.00	\$4.02	311.50	\$1,252.23	\$626.12	431.90	\$1,736.24	\$173.62	4	\$57.87	\$684
9730226498	Wilson Jr.	Harry	2.20	95,832.00	\$91,600.00	\$0.96	3,592.40	\$3,448.70	\$1,724.35	7,147.70	\$6,861.79	\$686.18	4	\$228.73	\$1,953
9730228471	Wilson Jr.	Harry	3.76	163,785.60	\$120,300.00	\$0.73	4,763.30	\$3,477.21	\$1,738.60	7,066.10	\$5,158.25	\$515.83	4	\$171.94	\$1,911

TOTALS:	\$22,754
Staff Contingency:	\$5,000
GM's Contingency	\$5,000
Amendment	
Total Budget:	\$32,754

Sand Hill Road @ Baker Place Sewer Replacement

Project Number: 2015223

Compensation Budget

10-Jun-24

PIN and Name		Acres	Parcel SF	Land Value	LV/SF	Net PE SF	PE Assd. Value	50% PE Assd. Value	TCE SF	TCE Assd. Value	10% Annl Return	Proj Time	TCE Rent Value	Total Comp. (Rounded)		
27 Pin	83 Pin															
	9628825022	Austin	George	0.17	7,405.20	\$81,100.00	\$10.95	129.40	\$1,416.93	\$708.47	455.00	\$4,982.25	\$498.23	4	\$166.08	\$875
	9628824249	Bednarzik	Andrew	0.70	30,492.00	\$98,600.00	\$3.23	3,530.20	\$11,402.55	\$5,701.27	4,867.90	\$15,723.32	\$1,572.33	4	\$524.11	\$6,225
	9628825170	Callaghan	Kathryn	0.17	7,405.20	\$81,100.00	\$10.95	81.20	\$889.14	\$444.57	12.50	\$136.88	\$13.69	4	\$4.56	\$449
	9628811875	Hocking	Samuel	0.27	11,761.20	\$69,200.00	\$5.88	1,909.50	\$11,227.86	\$5,613.93	792.60	\$4,660.49	\$466.05	4	\$155.35	\$5,769
	9628811735	Martin Jr. Trust	James	0.25	10,890.00	\$85,500.00	\$7.85	200.00	\$1,570.00	\$785.00	227.60	\$1,786.66	\$178.67	4	\$59.56	\$845
	9628814925	PATMO, LLC		0.10	4,356.00	\$41,500.00	\$9.53	1,138.20	\$10,847.05	\$5,423.52	1,028.80	\$9,804.46	\$980.45	4	\$326.82	\$5,750
	9628824050	PATMO, LLC		0.16	6,969.60	\$80,400.00	\$11.54	1,633.80	\$18,854.05	\$9,427.03	1,494.10	\$17,241.91	\$1,724.19	4	\$574.73	\$10,002
	9628812788	Radford	George	0.32	13,939.20	\$88,500.00	\$6.35	2,334.10	\$14,821.54	\$7,410.77	4,194.10	\$26,632.54	\$2,663.25	4	\$887.75	\$8,299
	9628825047	Scott Living Trust	Leroy	0.13	5,662.80	\$3,700.00	\$0.65	296.70	\$192.86	\$96.43	664.20	\$431.73	\$43.17	4	\$14.39	\$111
	9628824124	Scott Living Trust	Leroy	0.55	23,958.00	\$95,400.00	\$3.98	4,204.10	\$16,732.32	\$8,366.16	5,026.00	\$20,003.48	\$2,000.35	4	\$666.78	\$9,033
	9628823062	Stevens	Lief	0.26	11,325.60	\$86,000.00	\$7.59	506.30	\$3,842.82	\$1,921.41	1,052.00	\$7,984.68	\$798.47	4	\$266.16	\$2,188
	9628813869	Treanor	Siobahn	0.41	17,859.60	\$91,600.00	\$5.13	492.60	\$2,527.04	\$1,263.52	0.00	\$0.00	\$0.00	4	\$0.00	\$1,264

TOTALS:	\$50,808
Staff Contingency:	\$10,000
GM's Contingency	\$10,000
Amendment	
Total Budget:	\$70,808

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: August 21, 2024

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 Busbee Phase 1 Sewer Extension, MSD Project No. 2021245

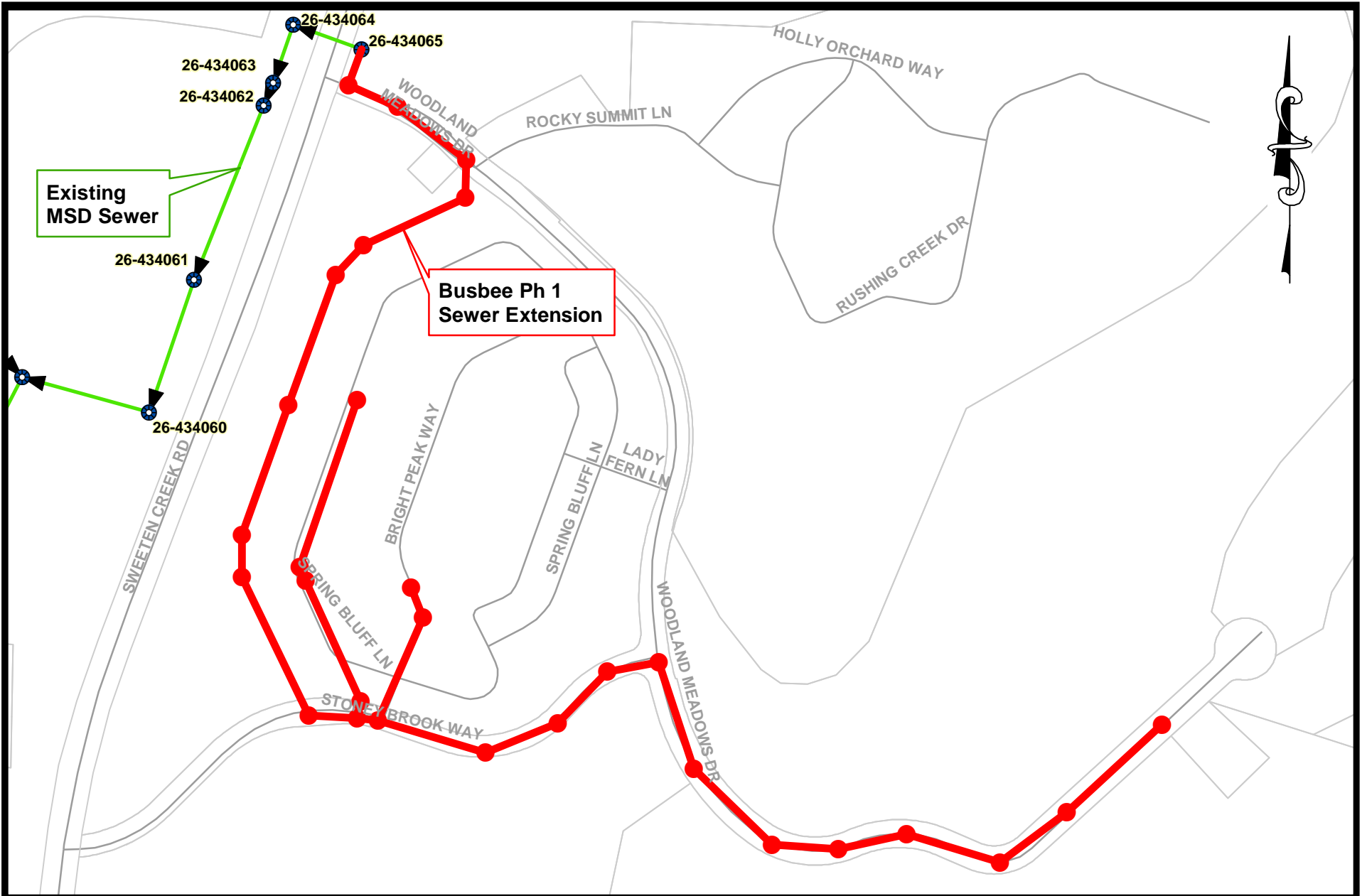
BACKGROUND: This project is located inside the District boundary along Sweeten Creek Road in Buncombe County. The developer of the project is Ryan Foster of FDG Sweeten Creek Holdings, LLC.

The project included extending approximately 4,240 linear feet of 8-inch public gravity sewer to serve the Multi-Family Residential Development.

A wastewater allocation was issued in the amount of 40,000 GPD for the 315 apartments in the residential development. The estimated cost of the sewer construction is \$398,600.00.

All MSD requirements have been met.

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



MSD
Engineering Division

Busbee Ph 1 Sewer Extension
MSD Project # 2021245

Metropolitan Sewerage District of Buncombe County

8/6/2024

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: August 21, 2024

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 Clayton Crossing Sewer Extension, MSD Project No. 2022089

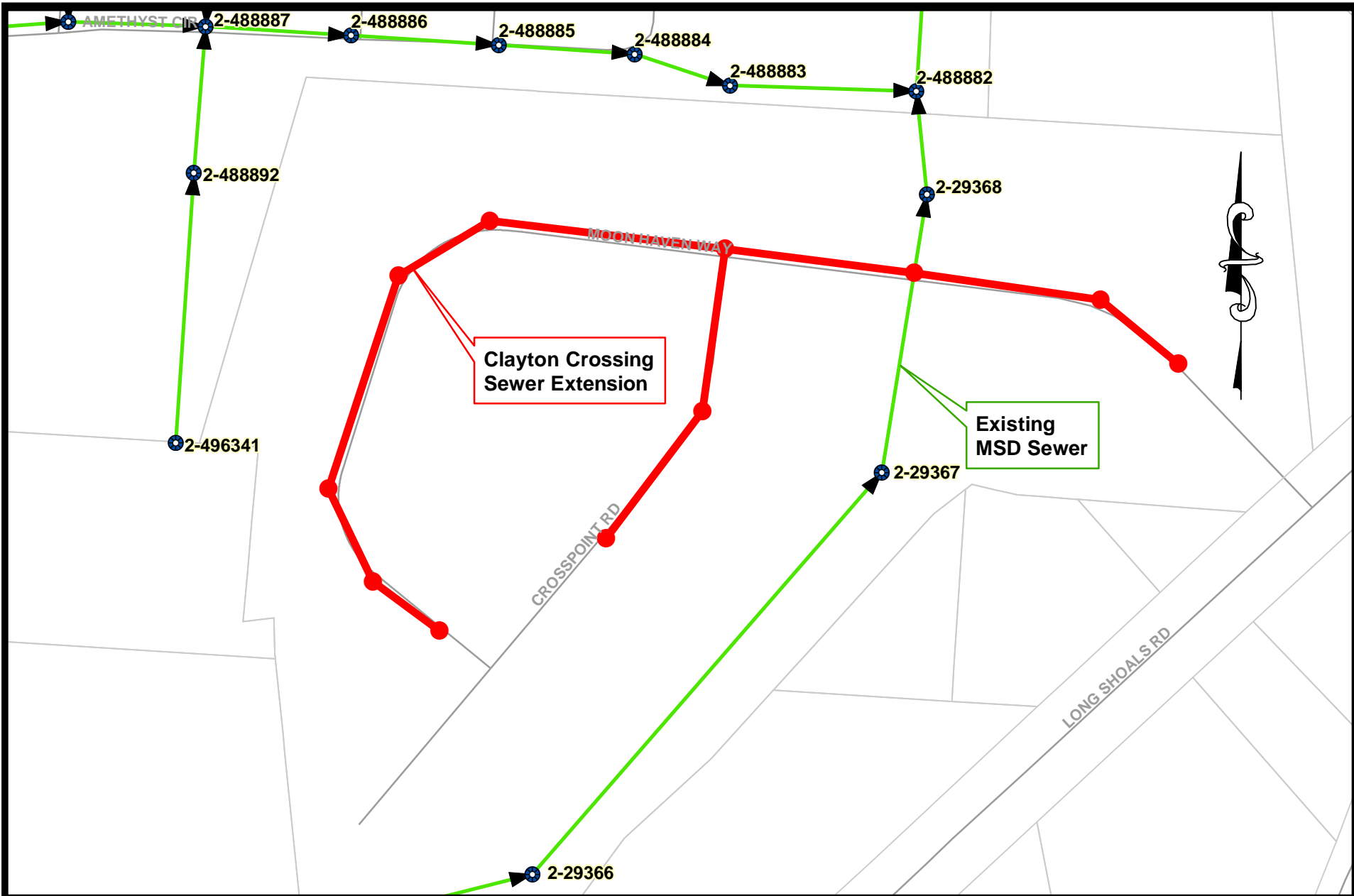
BACKGROUND: This project is located inside the District boundary off Long Shoals Road in Buncombe County. The developer of the project is David Gorman of Lock 7 Development.

The project included extending approximately 1,110 linear feet of 8-inch public gravity sewer to serve the Single-Family Residential Development.

A wastewater allocation was issued in the amount of 21,000 GPD for the Seventy (70) townhomes in the residential development. The estimated cost of the sewer construction is \$265,552.00.

All MSD requirements have been met.

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



MSD
Engineering Division

**Clayton Crossing Sewer Extension
MSD Project # 2022089**

Metropolitan Sewerage District of Buncombe County

8/7/2024

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: August 21, 2024

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 Ironwood Sewer Relocation, MSD Project No. 2019123

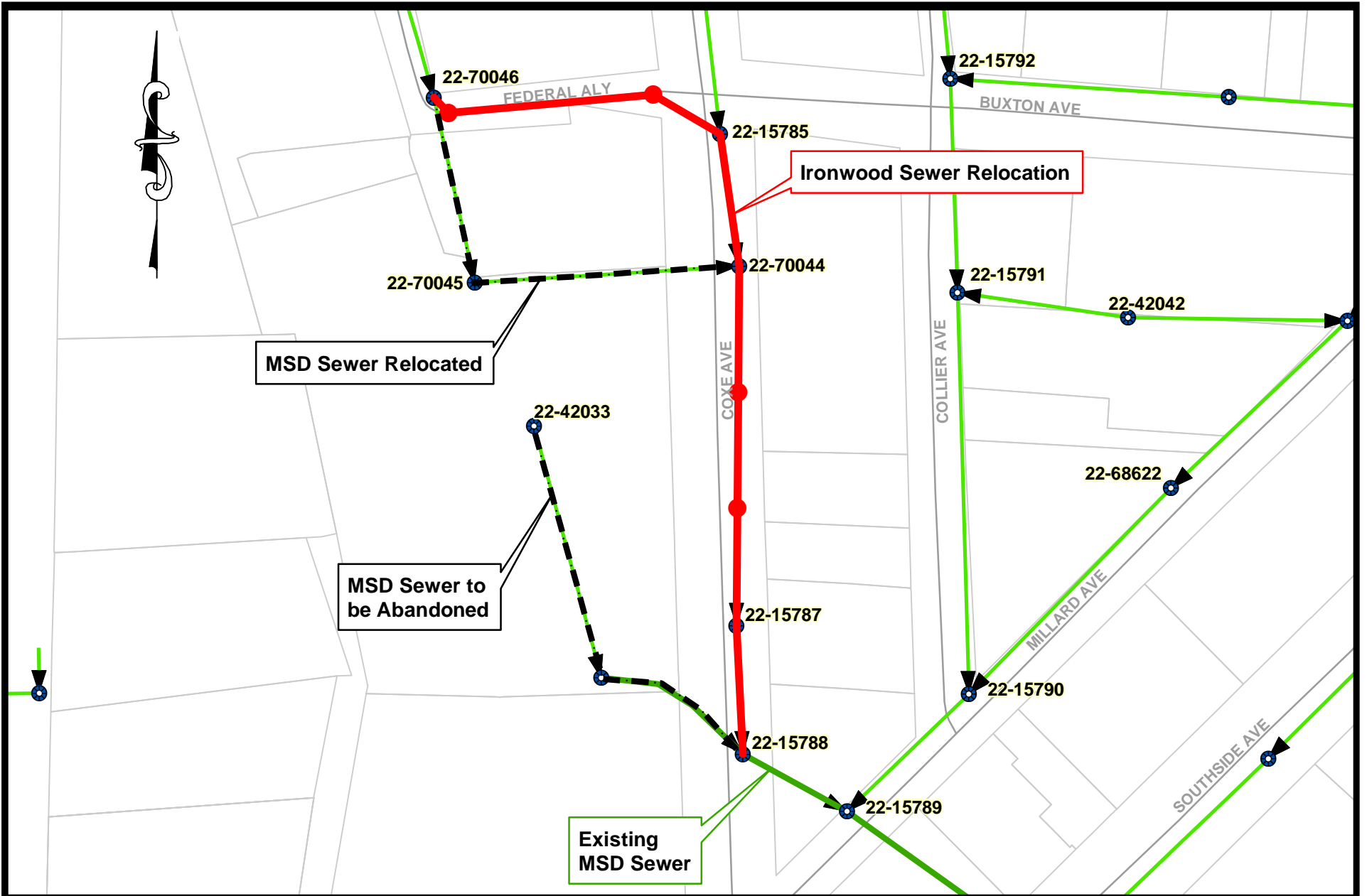
BACKGROUND: This project is located inside the District boundary off Coxe Avenue in the City of Asheville. The developer of the project is Matt Maynard of Tribute Investment & Development, Inc.

The project included relocating approximately 225 linear feet of 8-inch public gravity sewer and upgrading approximately 440 linear feet of 8-inch public sewer to 12-inch to serve the Mixed-Use Development. To be able to build on the site approximately 594 linear feet of existing public sewer had to be abandoned.

A wastewater allocation was issued in the amount of 174,000 GPD for the 554 apartments and the 60,000 SF of Commercial Space included in the development. The estimated cost of the sewer construction is \$453,000.00.

All MSD requirements have been met.

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



MSD
Engineering Division

**Ironwood Sewer Relocation
MSD Project # 2019123**

Metropolitan Sewerage District of Buncombe County

8/6/2024

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: August 21, 2024

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 Lake Julian Crossing Sewer Extension, MSD Project No. 2018271

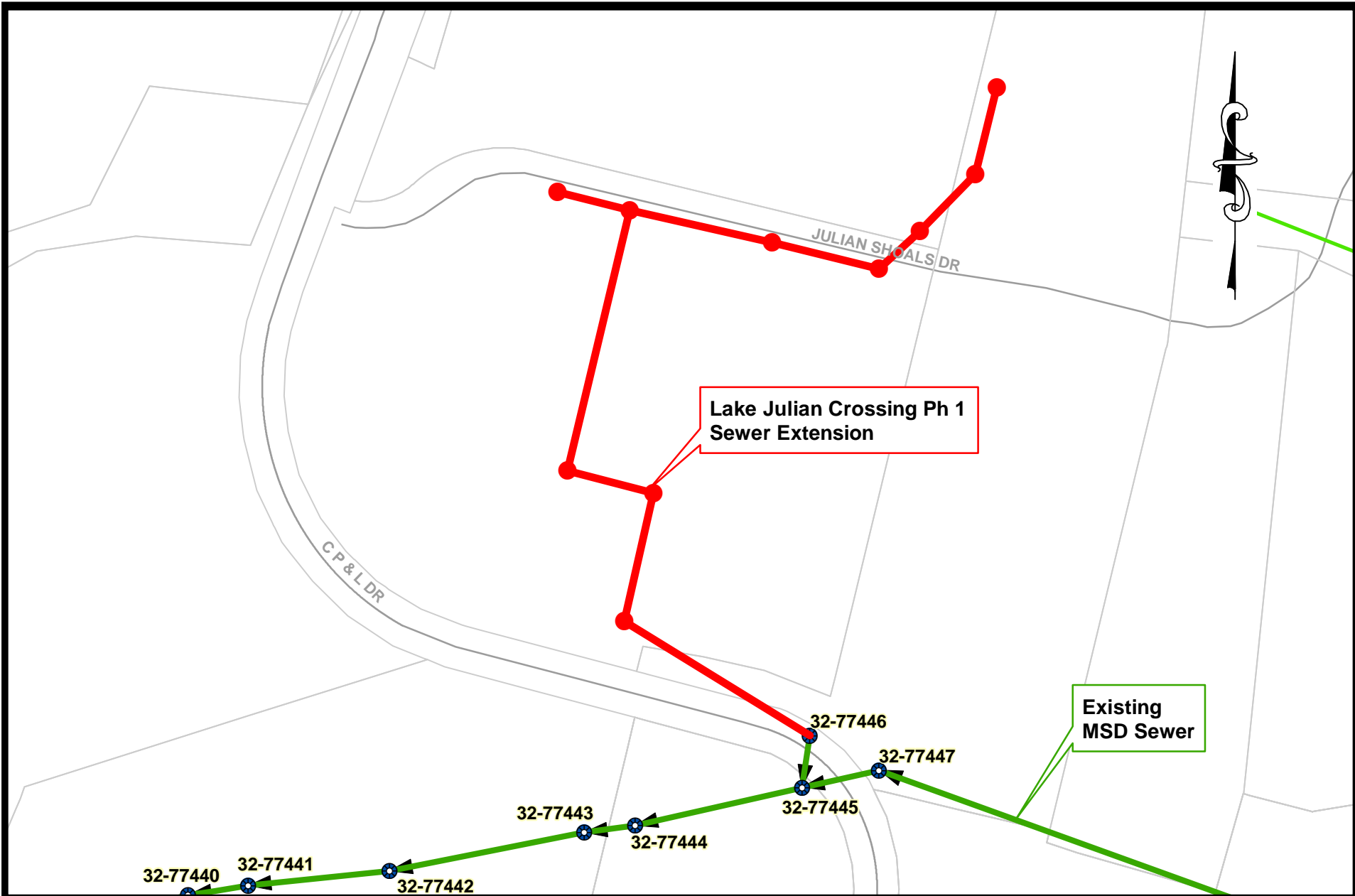
BACKGROUND: This project is located inside the District boundary off Long Shoals Road in the City of Asheville. The developer of the project is Carr Swicegood of Long Shoals Development Partners, LLC.

The project included extending approximately 1,125 linear feet of 8-inch public gravity sewer to serve the Mixed-Use Development.

A wastewater allocation was issued in the amount of 45,165 GPD for the 218 Multi-Family Residential Units and Commercial Development with multiple restaurants. The estimated cost of the sewer construction is \$195,000.00.

All MSD requirements have been met.

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



Lake Julian Crossing Ph 1
Sewer Extension

Existing
MSD Sewer



MSD
Engineering Division

Lake Julian Crossing Ph 1 Sewer Extension
MSD Project # 2018271
Metropolitan Sewerage District of Buncombe County

8/6/2024

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: August 21, 2024

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 Liberty Oaks Phase 1B Sewer Extension, MSD Project No. 2018063

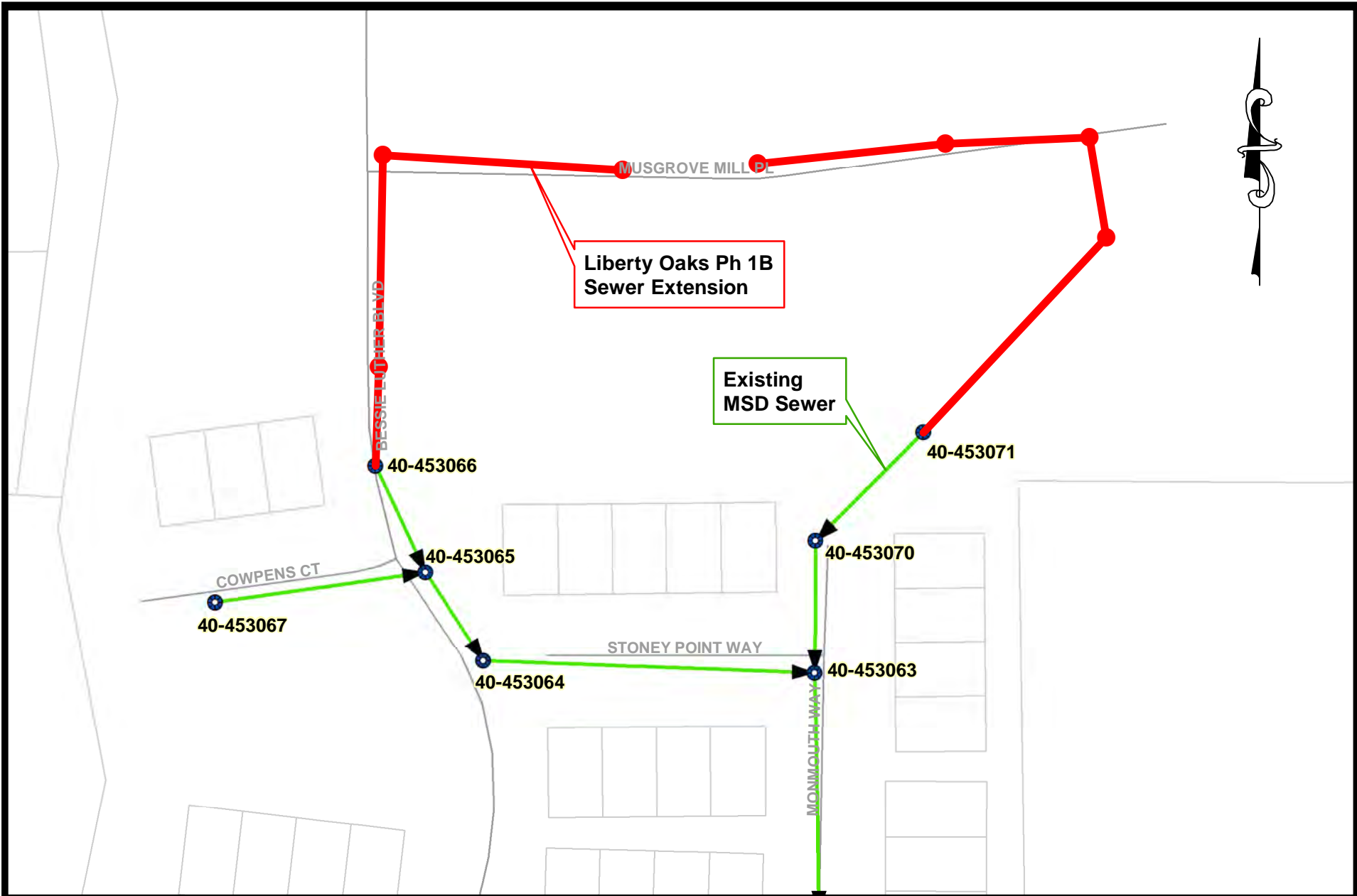
BACKGROUND: This project is located inside the District boundary off Smokey Park Highway in Buncombe County. The developer of the project is George Wilds of Liberty Oaks Fund 1, LP.

The project included extending approximately 620 linear feet of 8-inch public gravity sewer to serve the Single-Family Residential Development.

A wastewater allocation was issued in the amount of 7,200 GPD for the twenty-four (24) townhomes in this phase of the residential development. The estimated cost of the sewer construction is \$112,241.20.

All MSD requirements have been met.

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



MSD
Engineering Division

**Liberty Oaks Ph 1B Sewer Extension
MSD Project # 2018063**

Metropolitan Sewerage District of Buncombe County

6/27/2024

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: August 21, 2024

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 Owenby Lane Sewer Extension, MSD Project No. 2023103

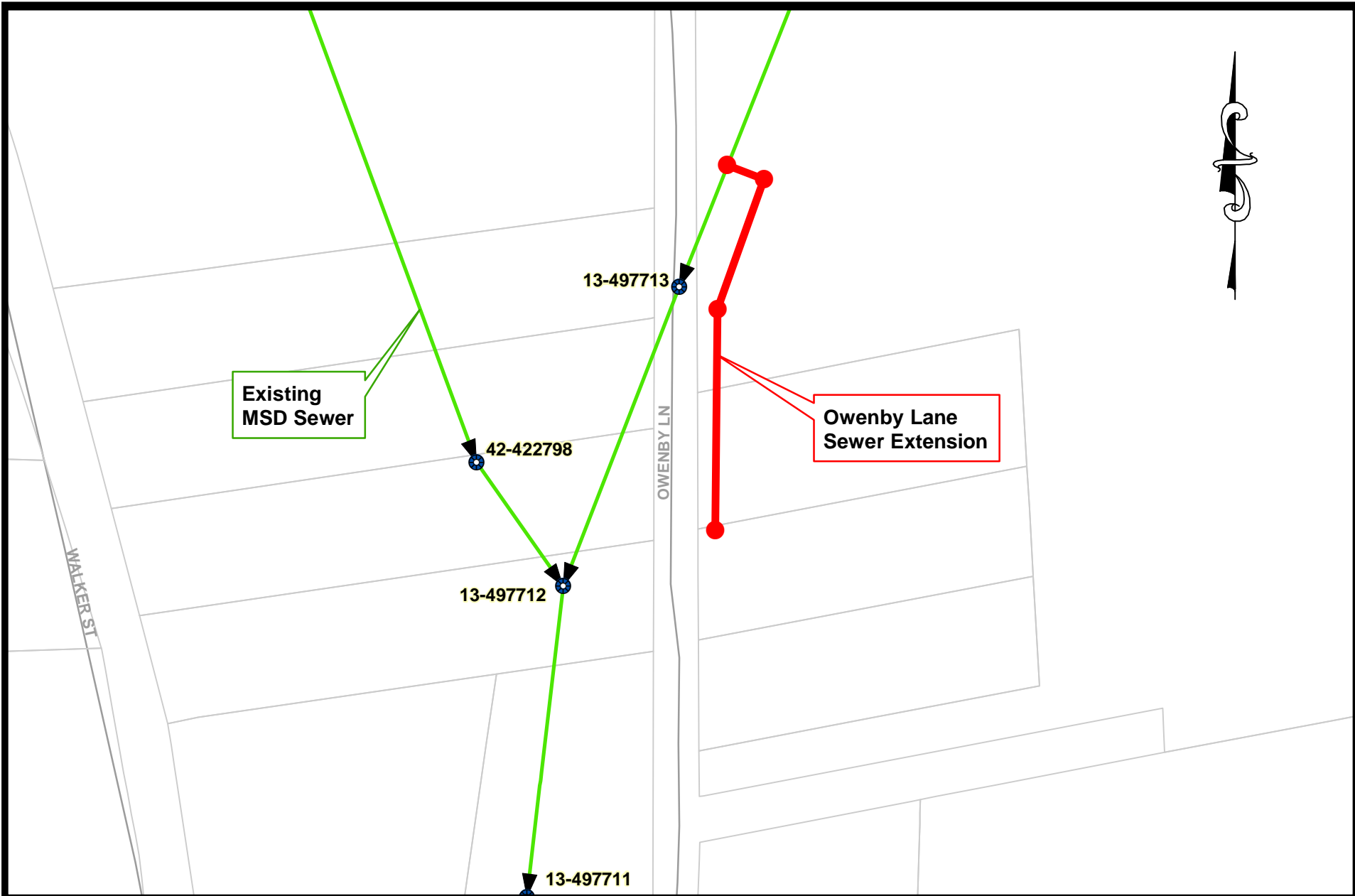
BACKGROUND: This project is located inside the District boundary along Owenby Lane in the Town of Black Mountain. The developer of the project is Eric Zetterholm of Flow North Developers, LLC.

The project included extending approximately 180 linear feet of 8-inch public gravity sewer to serve the Single-Family Residential Development.

A wastewater allocation was issued in the amount of 1,200 GPD for the four (4) homes in this residential development. The estimated cost of the sewer construction is \$63,000.00.

All MSD requirements have been met.

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



MSD
Engineering Division

Owenby Lane Sewer Extension MSD Project # 2023103

Metropolitan Sewerage District of Buncombe County

8/7/2024

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: August 21, 2024

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 Pineview Subdivision Sewer Extension, MSD Project No. 2018185

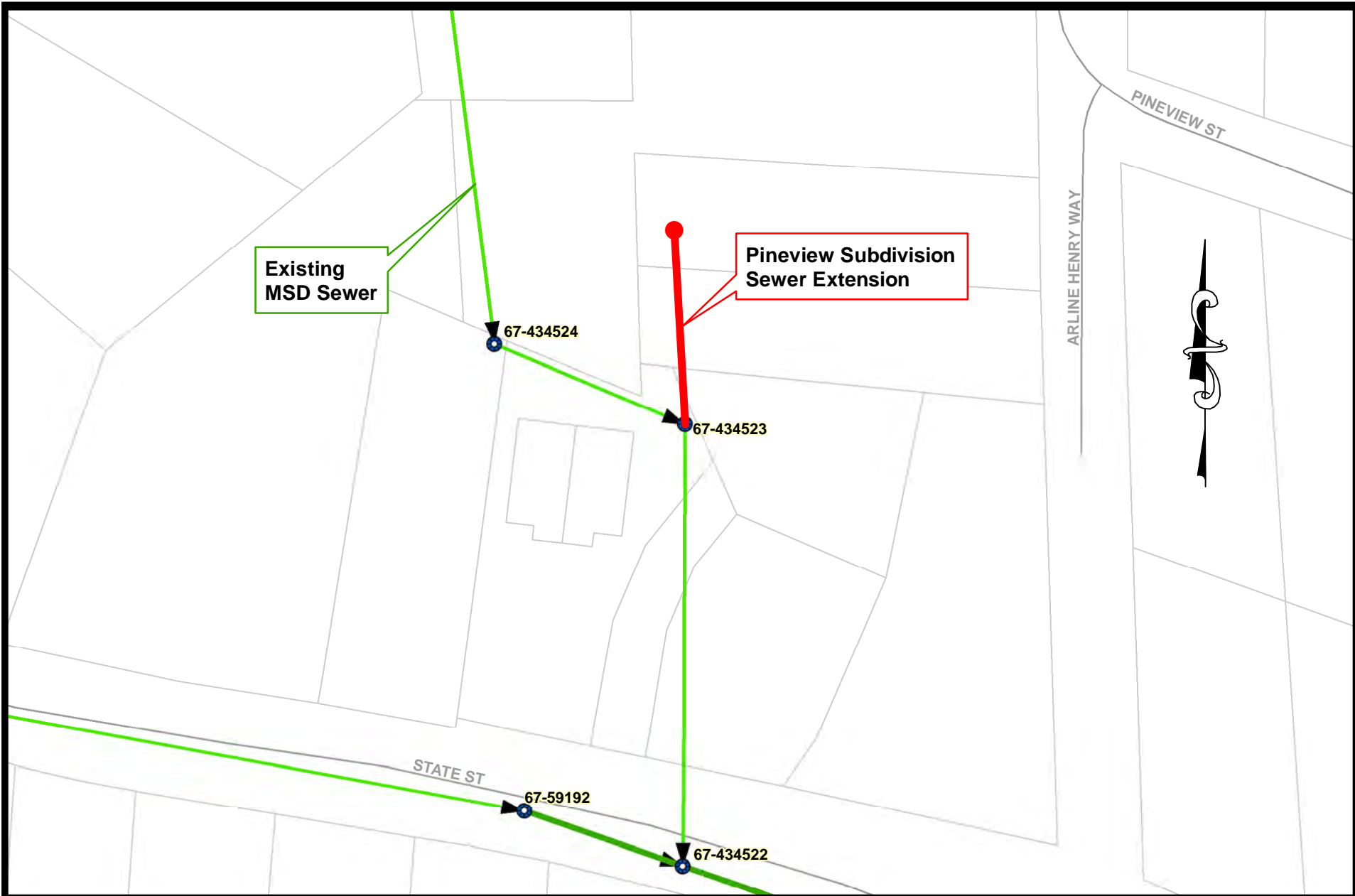
BACKGROUND: This project is located inside the District boundary off Pineview Street in the City of Asheville. The developer of the project is Aaron Palmer of Ground Floor Properties Pineview, LLC.

The project included extending approximately seventy (70) linear feet of 8-inch public gravity sewer to serve the Single-Family Residential Development.

A wastewater allocation was issued in the amount of 1,200 GPD for the four (4) homes in this residential development. The estimated cost of the sewer construction is \$41,400.00.

All MSD requirements have been met.

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



MSD
Engineering Division

**Pineview Subdivision Sewer Extension
MSD Project # 2018185**

Metropolitan Sewerage District of Buncombe County

8/6/2024

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: August 21, 2024

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 Ramble – Block K Sewer Extension, MSD Project No. 2022015

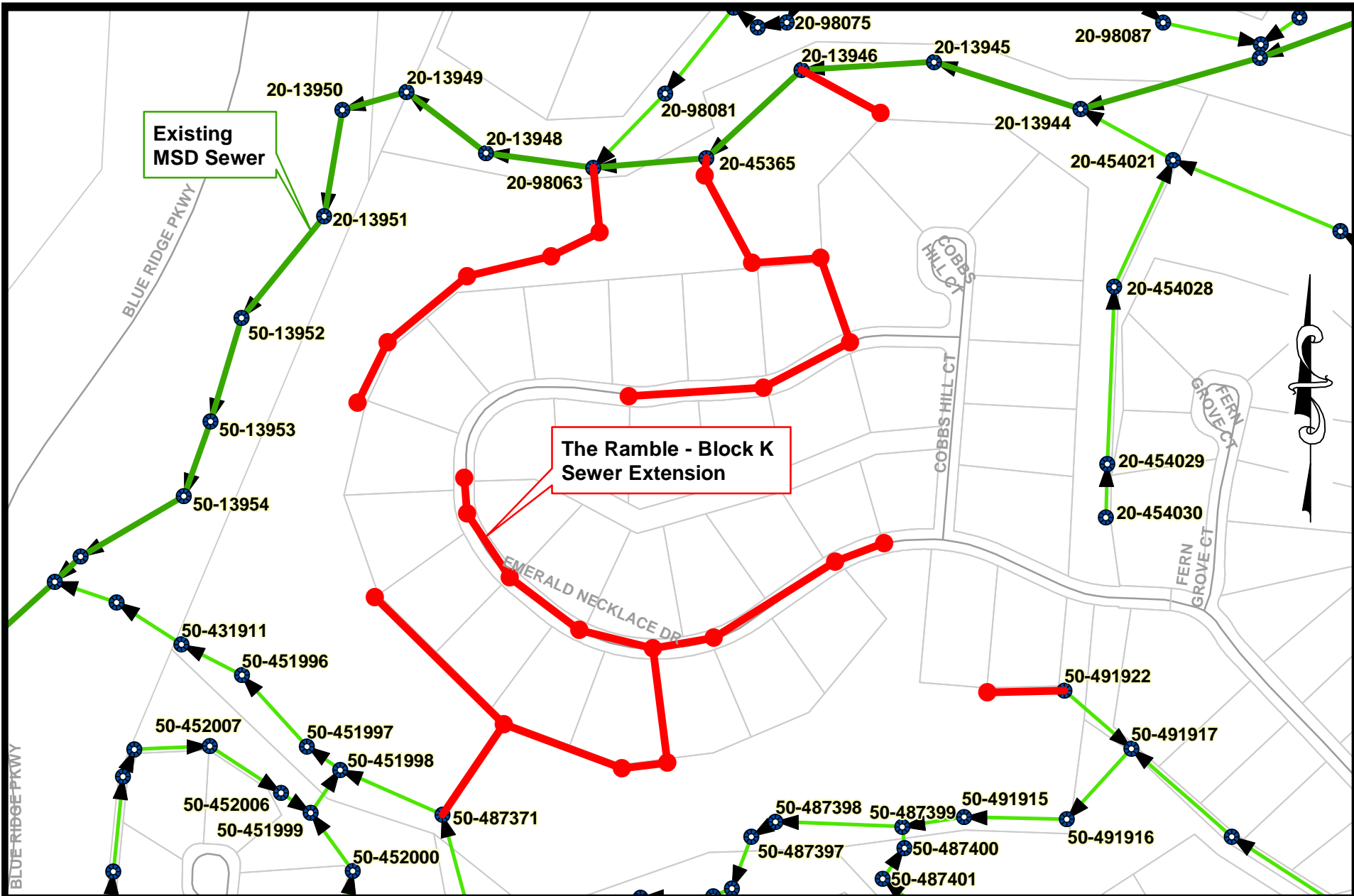
BACKGROUND: This project is located inside the District boundary off Emerald Necklace Drive in Buncombe County. The developer of the project is Lee Thomason of Ramble Biltmore Forest, LLC.

The project included extending approximately 4,920 linear feet of 8-inch public gravity sewer to serve the Single-Family Residential Development.

A wastewater allocation was issued in the amount of 11,400 GPD for the thirty-eight (38) homes in this phase of the residential development. The estimated cost of the sewer construction is \$550,000.00.

All MSD requirements have been met.

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



Existing
MSD Sewer

The Ramble - Block K
Sewer Extension



MSD
Engineering Division

**The Ramble - Block K Sewer Extension
MSD Project # 2022015**

Metropolitan Sewerage District of Buncombe County

8/6/2024

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: August 21, 2024

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 Ramble – Tea House Ridge, MSD Project No. 2019159

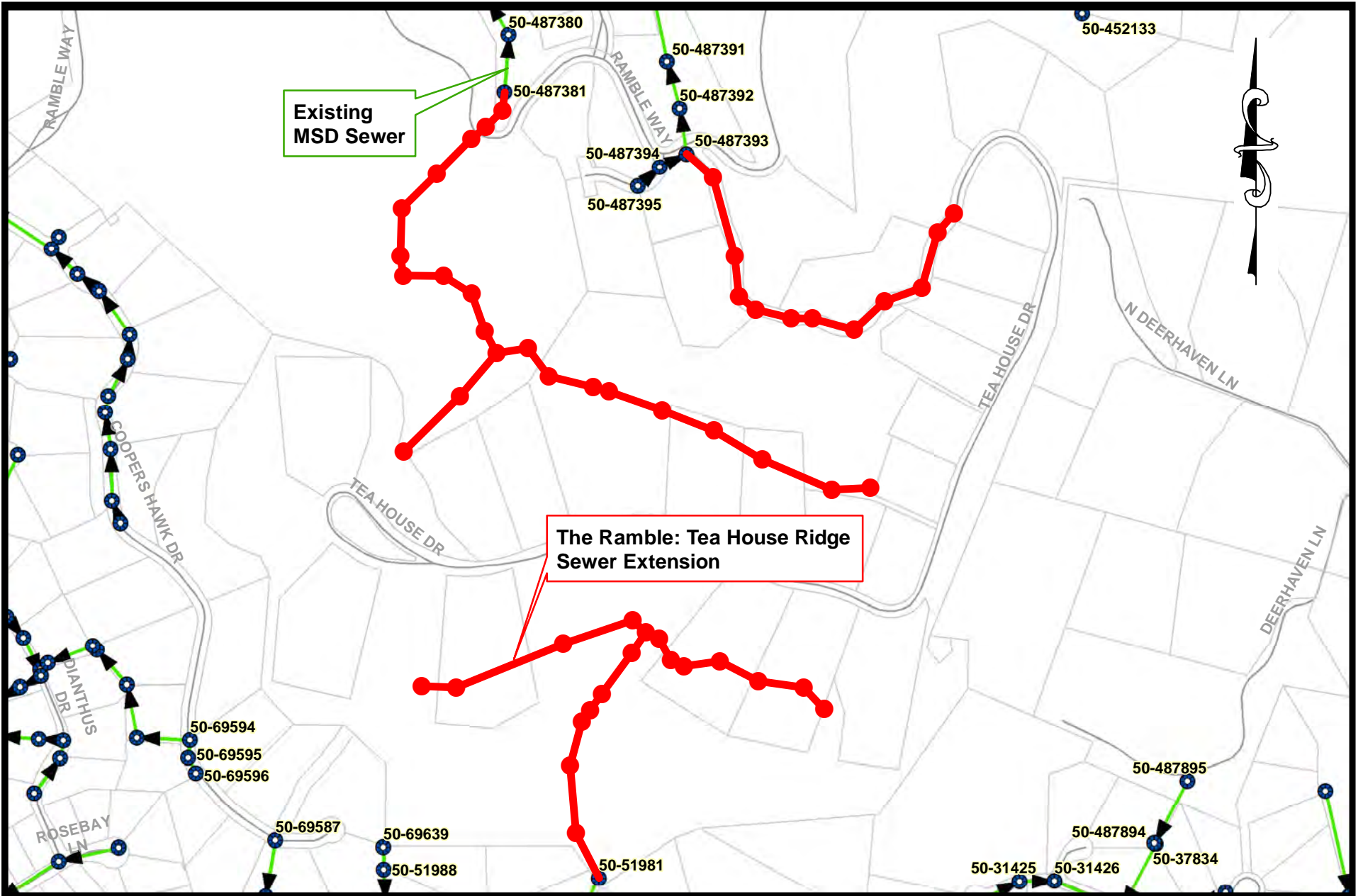
BACKGROUND: This project is located inside the District boundary off Emerald Necklace Drive in Buncombe County. The developer of the project is Lee Thomason of Ramble Biltmore Forest, LLC.

The project included extending approximately 7,430 linear feet of 8-inch public gravity sewer to serve the Single-Family Residential Development.

A wastewater allocation was issued in the amount of 6,600 GPD for the twenty-two (22) homes in this phase of the residential development. The estimated cost of the sewer construction is \$700,000.00.

All MSD requirements have been met.

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



Existing
MSD Sewer

The Ramble: Tea House Ridge
Sewer Extension



MSD
Engineering Division

**The Ramble: Tea House Ridge Sewer Extension
MSD Project # 2019159**

Metropolitan Sewerage District of Buncombe County

6/27/2024

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: August 21, 2024

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 Tap Root Subdivision Phase 1 Sewer Extension, MSD Project No. 2020024

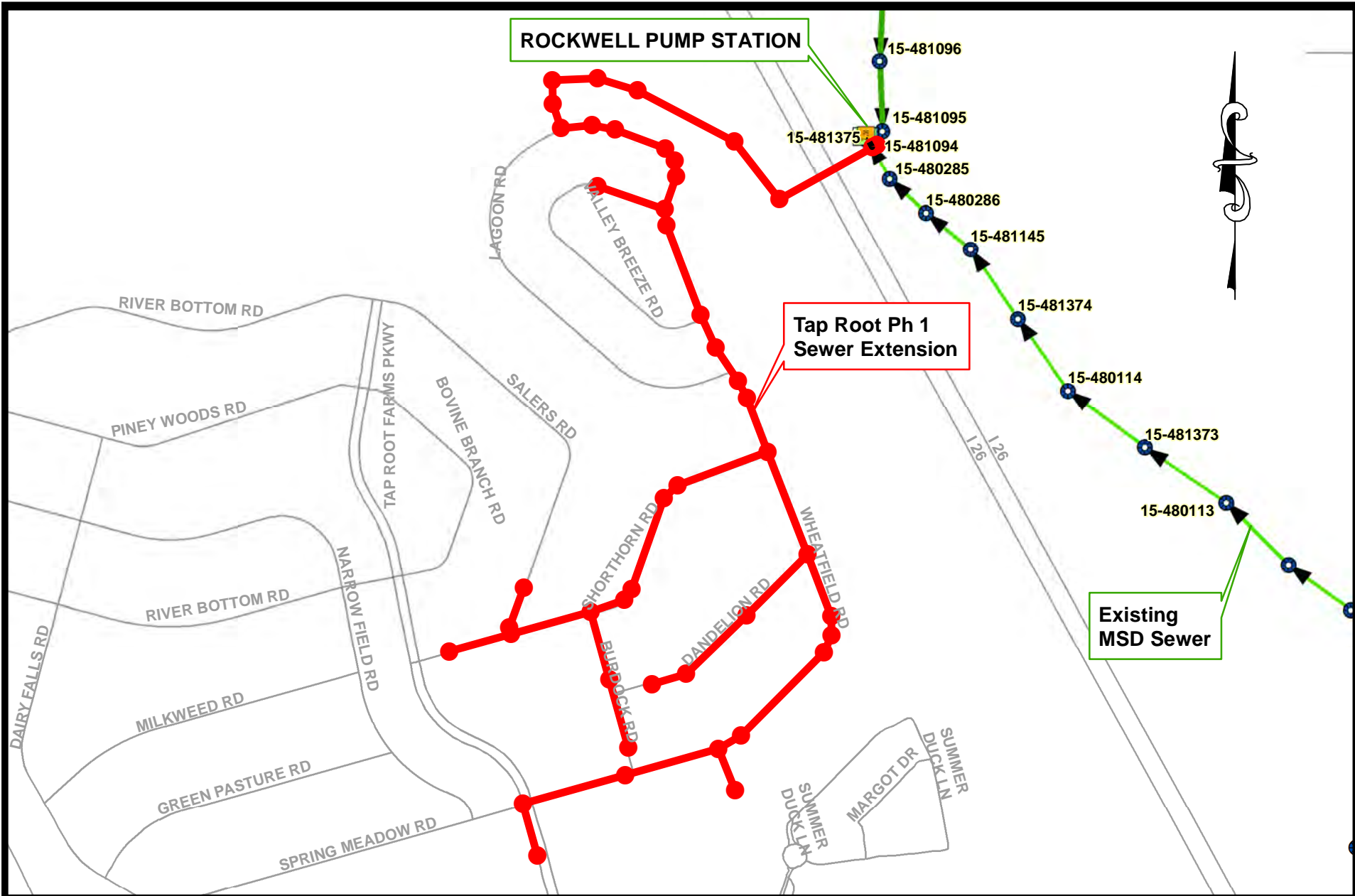
BACKGROUND: This project is located inside the District boundary off Butler Bridge Road in Henderson County. The developer of the project is Debra Green of D.R. Horton, Inc.

The project included extending approximately 2,180 linear feet of 12-inch and 6,395 linear feet of 8-inch for a total of 8,575 linear feet of new public gravity sewer to serve the Single-Family Residential Development.

A wastewater allocation was issued in the amount of 41,500 GPD for the 113 homes in this phase of the residential development. The estimated cost of the sewer construction is \$2,754,500.00.

All MSD requirements have been met.

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



ROCKWELL PUMP STATION

**Tap Root Ph 1
Sewer Extension**

**Existing
MSD Sewer**



MSD
Engineering Division

**Tap Root Ph 1 Sewer Extension
MSD Project # 2020024**

Metropolitan Sewerage District of Buncombe County

8/7/2024

Metropolitan Sewerage District of Buncombe County

Board Action Item

BOARD MEETING DATE: August 21, 2024

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 Views at Reems Creek, MSD Project No. 2021030

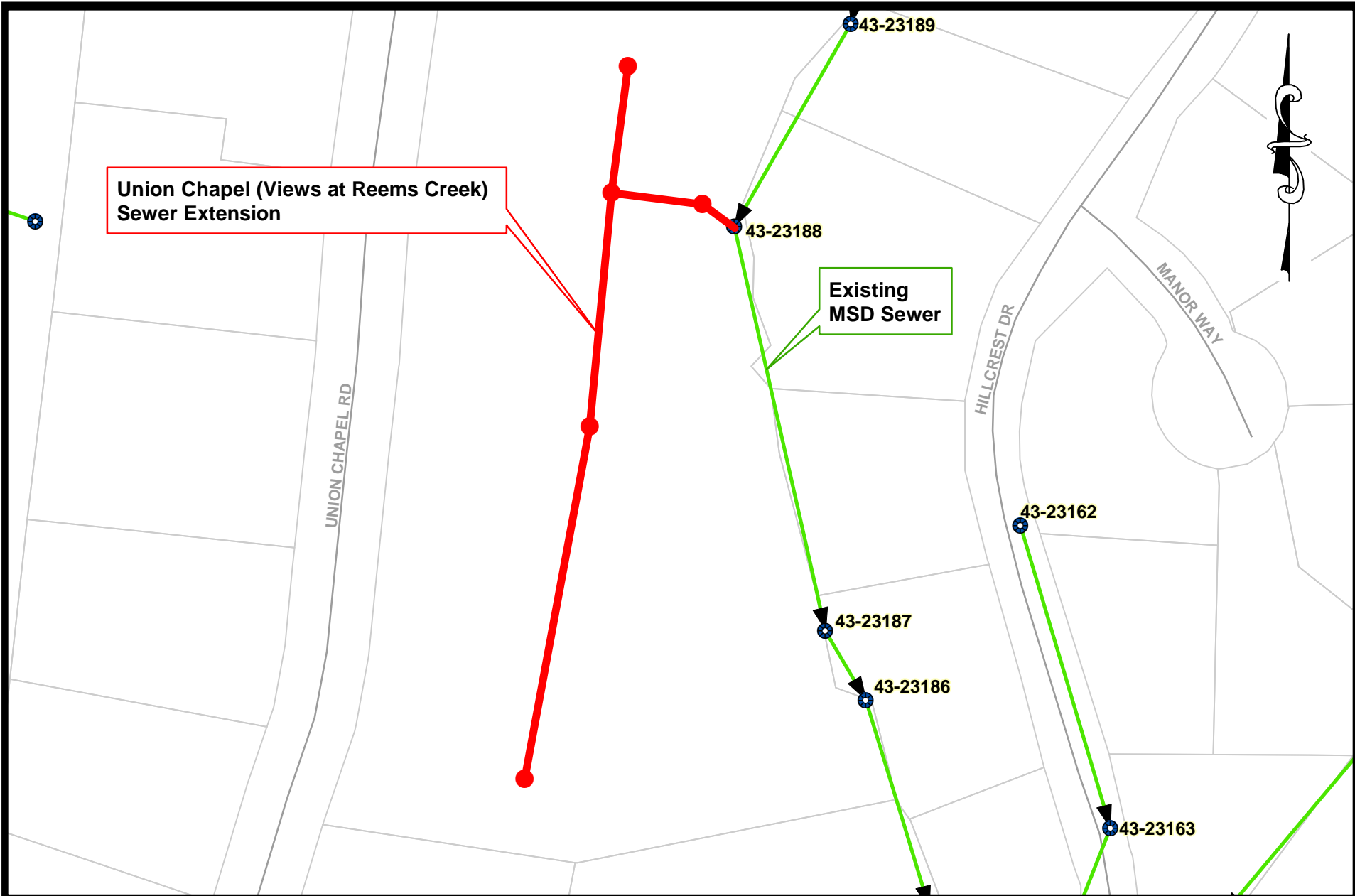
BACKGROUND: This project is located inside the District boundary along Union Chapel Road in Buncombe County. The developer of the project is Skye Streppa of the Skyburn Group, LLC.

The project included extending approximately 610 linear feet of 8-inch public gravity sewer to serve the Single-Family Residential Development.

A wastewater allocation was issued in the amount of 4,800 GPD for the eleven (11) homes in the residential development. The estimated cost of the sewer construction is \$91,250.00.

All MSD requirements have been met.

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



**Union Chapel (Views at Reems Creek)
Sewer Extension**

**Existing
MSD Sewer**



MSD
Engineering Division

**Union Chapel (Views at Reems Creek) Sewer Extension
MSD Project # 2021030**

Metropolitan Sewerage District of Buncombe County

8/7/2024

Metropolitan Sewerage District of Buncombe County
BOARD INFORMATIONAL ITEM

Meeting Date: **August 21, 2024**
Submitted By: **Thomas E. Hartye, PE., General Manager**
Prepared By: **W. Scott Powell, CLGFO, Director of Finance**
Subject: **Fourth Quarter Budget to Actual Review – FY2024**

Background

At the end of each quarter, actual revenue and expenditure amounts are compared with the budget to evaluate performance. This information is based on cash revenues and invoices received prior to June 30, 2024 and may not include some accruals of revenue and expenditures.

Discussion

There are several explanatory notes at the bottom of the attached Budget to Actual schedule.

Other considerations are as follows:

- Domestic and Industrial revenues are above budgeted expectations. Staff believes Domestic User Fee variance will end up around 104% when June account receivable data is received from its Member Agencies. Industrial Revenue trending better than budgeted expectations due to temporary increased revenue from short-term industrial users. Staff monitors consumption trends as they have a direct effect on the District's current and future revenue projections.
- Facility and Tap Fees are budgeted conservatively. The unusually large variance as of the end of the year is due to receiving unanticipated revenue from various developments.
- Interest and miscellaneous income are above budgeted expectations. Actual short-term interest rates exceeded anticipated yields for the fiscal year.

Meeting Date: August 21, 2024
Subject: Fourth Quarter Budget to Actual Review – FY2024
Page 2

Discussion (continued)

- Rental income reflects actual cash receipts.

- Actual and encumbered O&M expenditures are considered reasonable but may vary slightly once accruals and adjustments are made in connection to the final audit.

- Bond principal and interest are at budgeted expectations.

- Capital project expenditures are approximately 80.60% of budget. This reflects delays in projects. All unexpended funds have been included in the FY2025 budget.

Staff Recommendation
None - Information Only.

Action Taken			
Motion by:	to	<input type="checkbox"/> Approve	<input type="checkbox"/> Disapprove
Second by:		<input type="checkbox"/> Table	<input type="checkbox"/> Send to Committee
Other:			
Follow-up required:			
Person responsible:			Deadline:

Metropolitan Sewerage District

Budget to Actual Revenue and Expenditure Report

For the twelve months ended June 30, 2024

UNAUDITED--NON-GAAP

	Amended Budget	Actual to Date	% Budget to Actual
REVENUES			
Domestic User Fees ¹	\$ 38,928,326	\$ 39,878,527	102.44%
Industrial User Fees	3,410,895	3,982,599	116.76%
Facility Fees ²	3,000,000	9,045,369	301.51%
Tap Fees ³	200,000	495,868	247.93%
Billing and Collection	1,157,474	1,120,845	96.84%
Interest and Misc. Income	2,902,076	4,946,070	170.43%
Employee Contribution to Health Ins.	385,800	370,501	96.03%
City of Asheville (Enka Bonds)	35,000	8,610	24.60%
Rental Income	96,000	97,837	101.91%
Use of (Contributions to) Available Funds ⁴	<u>6,704,394</u>	<u>(11,289,370)</u>	-168.39%
Total Revenues⁵	<u>\$ 56,819,965</u>	<u>\$ 48,656,856</u>	85.63%
EXPENDITURES			
Operations and Maintenance ⁶	\$ 20,972,686	\$ 18,845,521	89.86%
Bond Principal and Interest	8,734,667	8,678,706	99.36%
Capital Equipment (Other than O&M) ⁶	734,619	679,125	92.45%
Capital Projects ⁶	25,377,993	20,453,504	80.60%
Contingency	<u>1,000,000</u>	<u>-</u>	0.00%
Total Expenditures	<u>\$ 56,819,965</u>	<u>\$ 48,656,856</u>	85.63%

Notes:

¹Revenues are accounted for on the cash basis method

²Increase due to unanticipated revenue from various developments

³Increase in number of Taps requiring Pavement Disturbance

⁴Pay-as-go funds to be used for CIP

⁵Budget-to-Actual Ratio does not include use of available funds

⁶Includes encumbered amounts as well as actual insurance expenditures

Metropolitan Sewerage District of Buncombe County
BOARD ACTION ITEM

Meeting Date: August 21, 2024
Submitted By: Thomas E. Hartye, PE., General Manager
Prepared By: W. Scott Powell, CLGFO, Director of Finance
Subject: Reimbursement Resolution for Bond Projects

Background

To be in compliance with IRS regulations concerning tax-exempt financing, all expenditures made with non-MSD bond funds and to be reimbursed from MSD bond funds must be properly identified and authorized. The proposed reimbursement resolution identifies major projects intended to be solely or substantially financed by bonds anticipated to be issued in FY2027. Board approval is required to obtain the tax-exemption of interest paid on MSD bonds by authorizing reimbursement from bond proceeds of the expenditures for these projects.

This resolution does not take the place of an annual budget or capital projects ordinance as mandated by North Carolina General Statutes required authorizing any expenditures irrespective of source of the funds. These projects have been or will be included in the District's annual budget process.

In addition to this current reimbursement resolution, additional resolutions may be submitted for other projects when their anticipated costs may be more accurately projected.

Discussion

\$80 million of bonds are planned to be issued in FY2027 and this reimbursement resolution is intended to preserve for the District the ability to issue the bonds as tax-exempt bonds and to reimburse itself from their proceeds for the temporary cash outlay made for the projects identified in the reimbursement resolutions.

Meeting Date: August 21, 2024
Subject: Reimbursement Resolution for Bond Projects
Page 2

Discussion(continued)

Engineering staff have identified several upcoming projects detailed on the attached exhibit, which could be reimbursed from the upcoming revenue bonds. Estimated reimbursable expenditures for these projects total \$23,239,000.

Fiscal Impact

Allows for reimbursement of project expenses with bond proceeds. This reimbursement resolution does not obligate the District to use bond proceeds for these projects, nor does it create an obligation for expenditure of the funds for the identified projects. Authorization for these project expenditures is provided by the annual budget ordinance or capital projects ordinance.

Staff Recommendation

Approval.

<u>Action Taken</u>			
Motion by:	to	<input type="checkbox"/> Approve	<input type="checkbox"/> Disapprove
Second by:		<input type="checkbox"/> Table	<input type="checkbox"/> Send to Committee
Other:			
Follow-up required:			
Person responsible:		Deadline:	

REIMBURSEMENT RESOLUTION

RESOLUTION OF THE DISTRICT BOARD OF THE METROPOLITAN SEWERAGE DISTRICT OF BUNCOMBE COUNTY, NORTH CAROLINA DECLARING ITS INTENTION TO REIMBURSE ITSELF FROM THE PROCEEDS OF ONE OR MORE TAX-EXEMPT FINANCINGS FOR CERTAIN EXPENDITURES MADE AND/OR TO BE MADE IN CONNECTION WITH THE ACQUISITION, CONSTRUCTION AND/OR EQUIPPING OF CERTAIN CAPITAL IMPROVEMENTS

WHEREAS, the Metropolitan Sewerage District of Buncombe County, North Carolina (the "Issuer") is a body politic and corporate organized and existing under the laws of the State of North Carolina; and

WHEREAS, the Issuer has paid, beginning June 21, 2024, and will pay, on and after the date hereof, certain expenditures (the "Expenditures") in connection with the acquisition, design and construction of the projects on the attached Exhibit (the "Projects"); and

WHEREAS, the District Board of the Issuer (the "Board") has determined that those monies previously advanced no more than 60 days prior to the date hereof and to be advanced on and after the date hereof to pay the Expenditures are available only for a temporary period and it is necessary to reimburse the Issuer for the Expenditures from the proceeds of one or more issues of tax-exempt bonds (the "Bonds");

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD AS FOLLOWS:

- Section 1. The Board hereby declares the Issuer's intent to reimburse the Issuer with the proceeds of the Bonds for the Expenditures with respect to the Project made on and after June 21, 2024 which date is no more than 60 days prior to the date hereof. The Issuer reasonably expects on the date hereof that it will reimburse the Expenditures with the proceeds of the Bonds.
- Section 2. Each Expenditure was and will be either (a) of a type properly chargeable to capital account under general federal income tax principles (determined in each case as of the date of the Expenditure), (b) a cost of issuance with respect to the Bonds, (c) a nonrecurring item that is not customarily payable from current revenues, or (d) a grant to a party that is not related to or an agent of the Issuer so long as such grant does not impose any obligation or condition (directly or indirectly) to repay any amount to or for the benefit of the Issuer.
- Section 3. The maximum principal amount of the Bonds expected to be issued for the Projects is \$23,239,000.
- Section 4. The Issuer will make a reimbursement allocation, which is a written allocation by the Issuer that evidences the Issuer's use of proceeds of the Bonds to reimburse an Expenditure, no later than 18 months after the later of the date on which the Expenditure is paid or the Projects are placed in service or abandoned, but in no event more than three years after the date on which the Expenditure is paid. The Issuer recognizes that exceptions are available for certain "preliminary expenditures," costs of issuance, certain de minimis amounts, expenditures by "small issuers" (based on the year of issuance and not the year of expenditure) and expenditures for construction projects of at least five years.
- Section 5. This resolution shall take effect immediately upon its passage.

PASSED AND ADOPTED this 21th day of August, 2024

M. Jerry VeHaun, Chairman of the Board

Attested to:

Jackie W. Bryson, Secretary/Treasurer

Metropolitan Sewerage District of Buncombe County

Attachment to Reimbursement Resolution

August 21, 2024

Project	Project #	Estimated Expenditures on and after June 21, 2024
Christian Creek Interceptor	2011110	\$ 250,000
Elk Mountain Place	2010094	1,457,000
Joyner Ave. @ Amboy Rd.	2021010	315,000
Sand Hill Road @ Baker Place	2015223	750,000
Sweeten Creek Rd. @ Buck Shoals Rd	2014015	462,000
Int. Clarifier Eff. Trough Rehabilitation	2022024	1,490,000
Incinerator Rehabilitation FY24	2022057	1,210,000
RBC Removal and Replacement	2023029	1,350,000
MCC Replacement	2024040	524,000
Weaverville Pump Station Replacement	2019080	<u>15,431,000</u>
		<u>\$ 23,239,000</u>

Metropolitan Sewerage District of Buncombe County

BOARD INFORMATIONAL ITEM

Meeting Date: August 21, 2024
 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 June 30, 2024

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 June 30, 2024 were \$100,155,898. The detailed listing of accounts is available upon request. The average rate of return for all investments is 5.222%. 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 June 30, 2024 do not reflect contractual commitments or encumbrances against said funds. Shown below are the total investments as of June 30, 2024 reduced by contractual commitments, bond funds, and District reserve funds. The balance available for future capital outlay is \$13,664,101.

Total Cash & Investments as of 06/30/2024		100,155,898
Less:		
FY25 O & M Expenditures approved June 12, 2024	(22,787,889)	
FY25 Construction Expenditures approved June 12, 2024	<u>(36,475,712)</u>	
		(59,263,601)
Bond Restricted Funds		
Bond Service (Funds held by trustee):		
Funds in Principal & Interest Accounts	(7,096,230)	
FY24 Principal & Interest Due	<u>(8,696,737)</u>	
		(15,792,967)
District Reserve Funds		
Fleet Replacement	(1,602,137)	
Pump Replacement	(206,806)	
WWTP Replacement	(358,717)	
Maintenance Reserve	<u>(1,304,574)</u>	
		(3,472,233)
District Insurance Funds		
General Liability	(729,740)	
Worker's Compensation	(602,660)	
Post-Retirement Benefit	(2,934,402)	
Self-Funded Employee Medical	<u>(3,696,195)</u>	
		<u>(7,962,997)</u>
Designated for Capital Outlay		<u>13,664,101</u>

Meeting Date: August 21, 2024

Subject: Cash Commitment/Investment Report-Month Ended June 30, 2024

Page 2

Staff Recommendation

None - Information Only.

Action Taken

Motion by:

to

Approve

Disapprove

Second by:

Table

Send to Committee

Other:

Follow-up required:

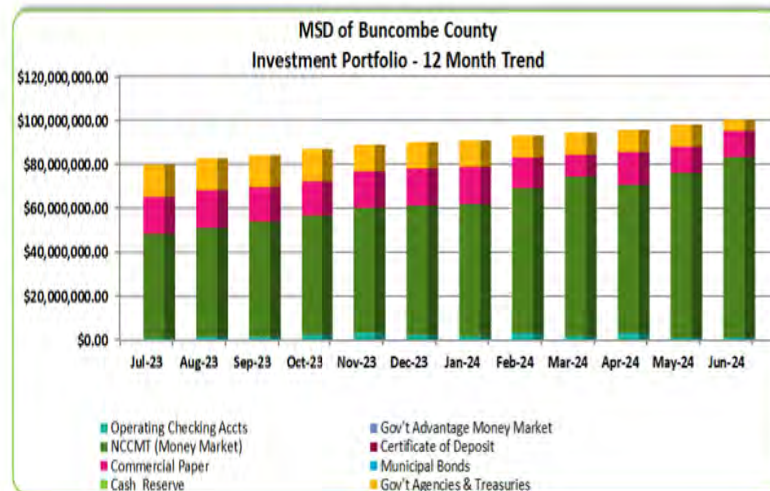
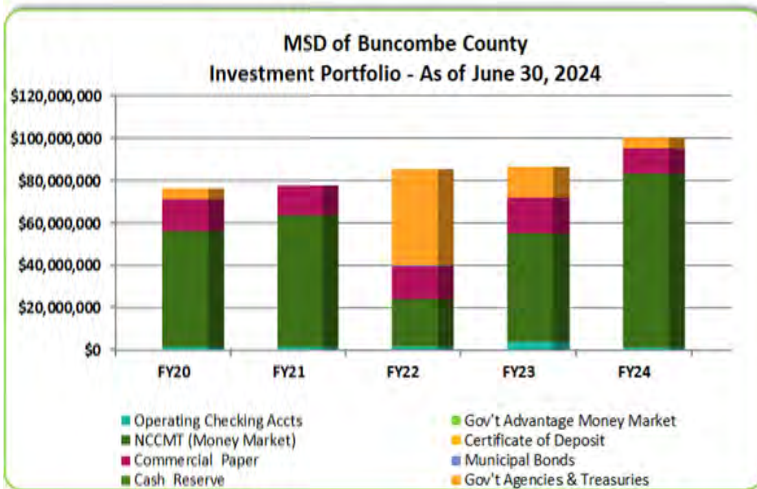
Person responsible:

Deadline:

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	\$ -		\$ 7,096,231			\$ -	\$ -		\$ 7,096,231
Held by MSD	1,282,797	46,706	74,741,224	-	11,966,178	-		5,022,762	93,059,667
	\$ 1,282,797	\$ 46,706	\$ 81,837,455	\$ -	\$ 11,966,178	\$ -	\$ -	\$ 5,022,762	\$ 100,155,898

Investment Policy Asset Allocation	Maximum Percent	Actual Percent	
U.S. Government Treasuries,			No significant changes in the investment portfolio as to makeup or total amount.
Agencies and Instrumentalities	100%	5.01%	
Bankers' Acceptances	20%	0.00%	
Certificates of Deposit	100%	0.00%	
Commercial Paper	20%	11.95%	
Municipal Bonds	100%	0.00%	
North Carolina Capital Management Trust	100%	81.71%	
Checking Accounts:	100%		
Operating Checking Accounts		1.28%	
Gov't Advantage Money Market		0.05%	



Meeting Date: August 21, 2024

Subject: Cash Commitment/Investment Report-Month Ended June 30, 2024

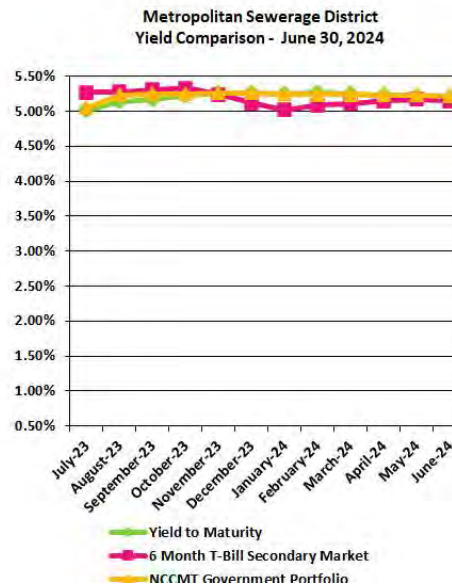
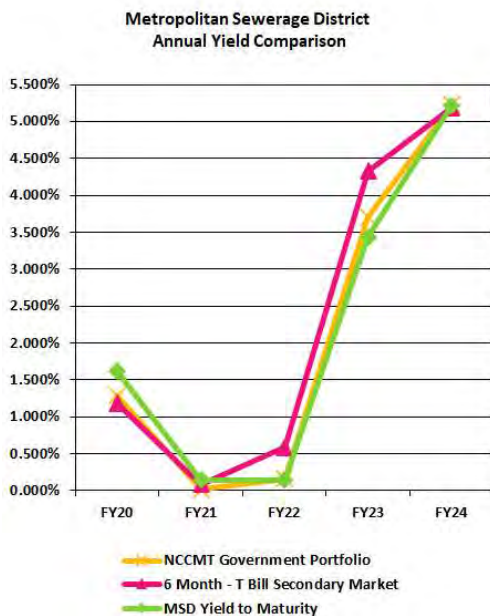
Page 4

Metropolitan Sewerage District Investment Managers' Report On June 30, 2024

	Original		Interest Receivable
	Cost	Market	
Beginning Balance	\$ 88,600,679	\$ 88,688,951	\$ 104,439
Capital Contributed (Withdrawn)	(5,167,490)	(5,167,490)	
Realized Income	288,095	288,095	(29,504)
Unrealized/Accrued Income		32,144	31,803
Ending Balance	\$ 83,721,284	\$ 83,841,700	\$ 106,738

	Original Cost	Income
Cash Equivalents <91 Days	\$ 82,337,669	\$ 317,208
Securities/CD's 91 to 365 Days	1,383,615	\$ 5,330
Securities/CD's > 1 Year	-	\$ -
	\$ 83,721,284	\$ 322,538

Month End Portfolio Information	
Weighted Average Maturity	34
Yield to Maturity	5.21%
6 Month T-Bill Secondary Market	5.15%
NCCMT Government Portfolio	5.22%

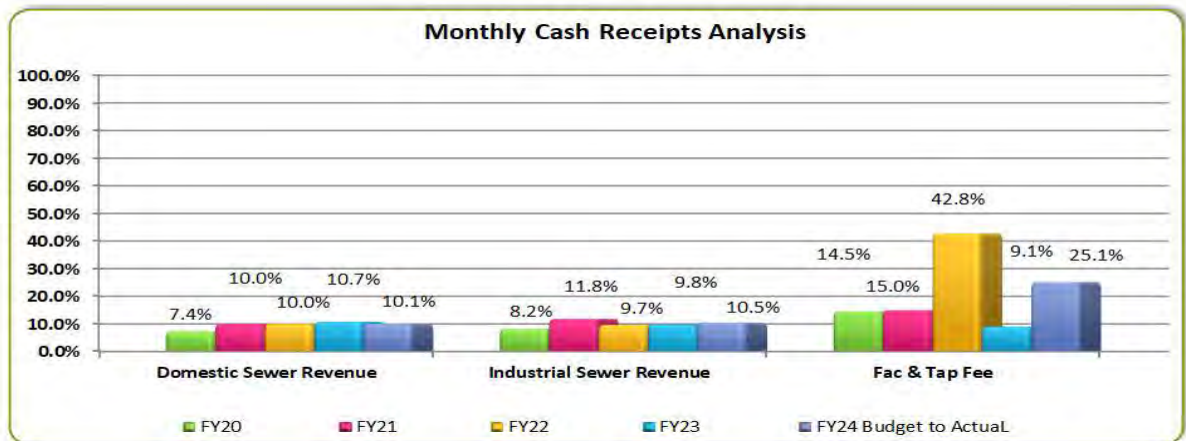


Meeting Date: August 21, 2024

Subject: Cash Commitment/Investment Report-Month Ended June 30, 2024

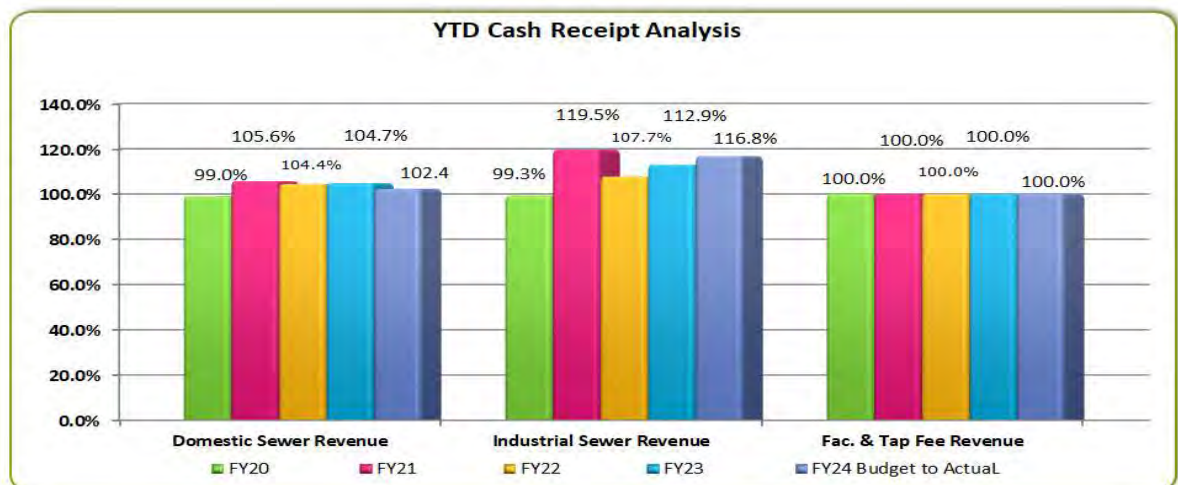
Page 5

Metropolitan Sewerage District Analysis of Cash Receipts As of June 30, 2024



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:

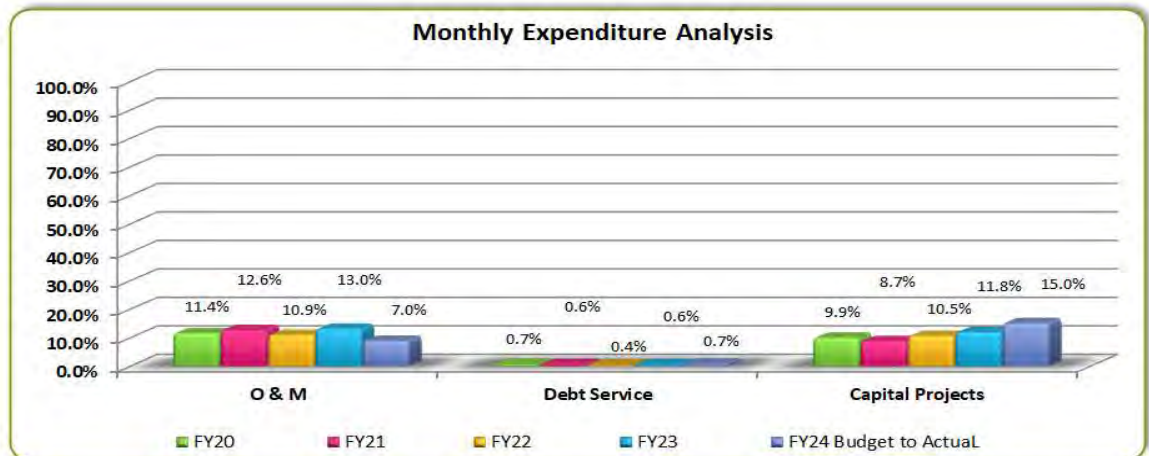
- * YTD domestic sewer revenue is considered reasonable based on historical trends.
- * YTD industrial sewer revenue is reasonable based on historical trends.
- * Due to the unpredictable nature of facility and tap fee revenue, staff considers facility and tap fee revenue reasonable.

Meeting Date: August 21, 2024

Subject: Cash Commitment/Investment Report-Month Ended June 30, 2024

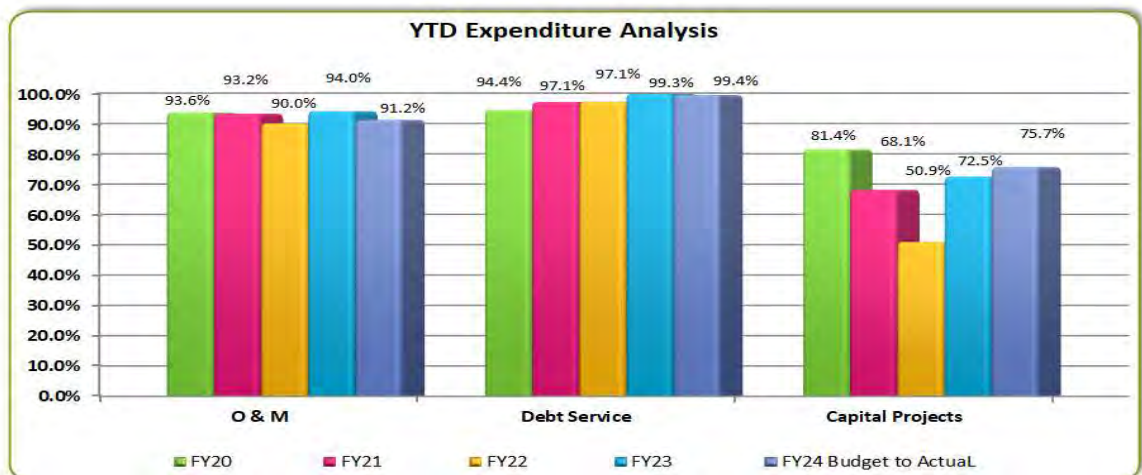
Page 6

Metropolitan Sewerage District Analysis of Expenditures As of June 30, 2024



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 the 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:

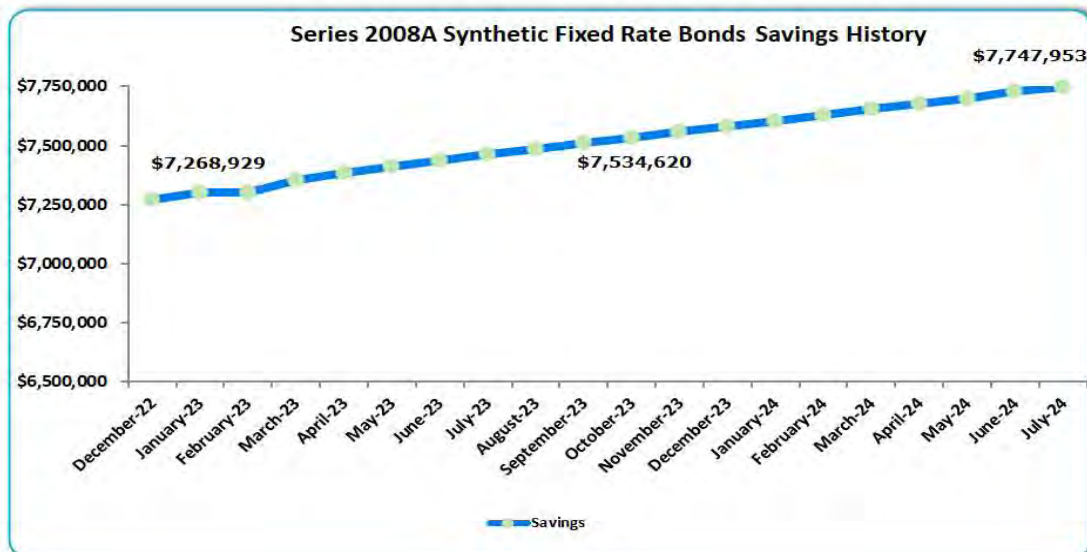
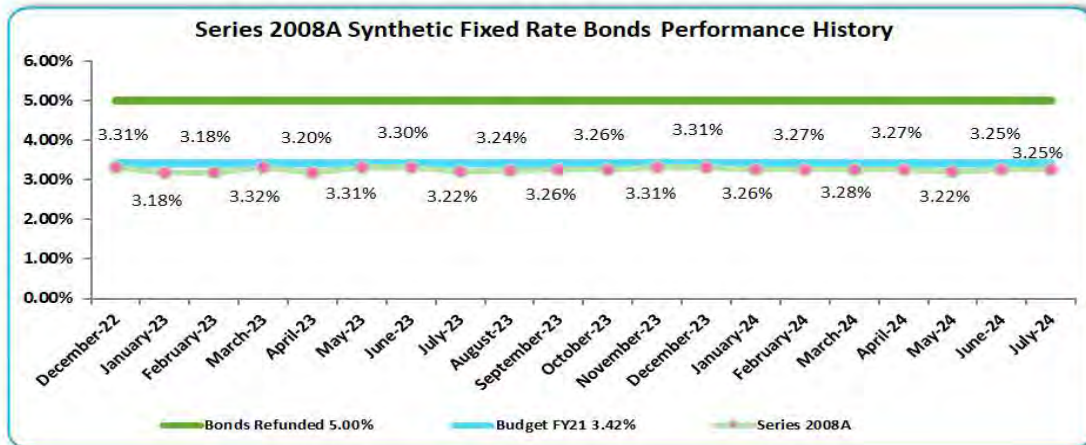
- * YTD O&M expenditures are considered reasonable based on historical trends.
- * Due to the nature of the variable rate bond market, YTD expenditures can vary year to year. Based on current variable interest rates, YTD debt service expenditures are considered reasonable.
- * Due to nature and timing 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: August 21, 2024

Subject: Cash Commitment/Investment Report-Month Ended June 30, 2024

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Metropolitan Sewerage District Variable Debt Service Report As of July 31, 2024



Series 2008A:

- * Savings to date on the Series 2008A Synthetic Fixed Rate Bonds is \$7,747,953 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 \$216,200 to terminate the existing Bank of America Swap Agreement.

STATUS REPORTS

PROJECT NAME	LOCATION	ZIP CODE	ESTIMATED FOOTAGE	ESTIMATED PROJECT DATES	WO#	CREW	COMPLETION DATE	ACTUAL FOOTAGE	NOTES
Norwood Ave Sewer Rehabilitation Ph. 2	Asheville	28804	509	6/22/24 - 7/31/24	275810	Matthews			Construction 50% complete
Old Fairview Rd @ Willington Road Ph. 2	Asheville	28803	330	7/1/24 - 7/26/24	276005	McDevitt			Construction 60% complete
526 Depot Street at Livingston Street Rehab	Asheville	28801	1030	7/29/24 - 8/30/24	280038	McDevitt			Ready for construction
350 Old Haw Creek Road Sewer Rehabilitation	Asheville	28805	1300	8/1/24 - 8/30/24	47802	Matthews			Ready for construction
5 Golf Street	Asheville	28801	240	FY 24/25	284586	Matthews			Ready for construction
Vandalia Ave Sewer Rehabilitation	Asheville	28806	1325	FY 24/25	248041	TBA			Ready for construction
Baker Place @ Carrier Street Sewer Rehabilitation	Asheville	28806	1300	FY 24/25	284574	TBA			Ready for construction
Virginia Ave @ Lufty Ave	Asheville	28806	1400	FY 24/25	441499	TBA			Ready for construction
Old Asheland Ave to Phifer Street Sewer Rehabilitation	Asheville	28801	462	FY 24/25	258560	TBA			Ready for construction
500 Laurel Avenue Sewer Rehabilitation	Black Mountain	28711	230	FY 24/25	247281	TBA			Ready for construction
10 Balsam Rd Sewer Rehabilitation	Ridgecrest	28770	410	FY 24/25	275803	TBA			In ROW
Bent Tree 4-inch Rehabilitation	Asheville	28804	245	FY 24/25	301679	TBA			In ROW
Carver Avenue @ Owenby Lane	Black Mountain	28711	785	FY 24/25	292540	TBA			In ROW
128 Johnston Blvd	Asheville	28806	206	FY 24/25	242866	TBA			In ROW
15 Haith Drive	Asheville	28801	204	FY 24/25	285381	TBA			In Design
Lorraine Avenue	Asheville	28804	378	FY 24/25	300998	TBA			In Design
Rhodes Street at Union Street	Woodfin	28804	230	FY 24/25	284578	TBA			In Design
Wellington Street Phase I	Asheville	28806	459	FY 24/25	280245	TBA			In Design
Wellington Street Phase II	Asheville	28806	781	FY 24/25	300947	TBA			In Design
286 Old Haw Creek Rd Sewer Rehabilitation	Asheville	28805	100	FY 24/25	275815	TBA			In Design
179 Old Haw Creek Rd	Asheville	28805	317	FY 24/25	300962	TBA			In Design
Applewood Drive @ New Haw Creek Road Sewer Rehab	Asheville	28805	360	FY 24/25	291537	TBA			Preliminary Engineering
11 Shenandoah Rd Sewer Rehabilitation	Asheville	28805	1600	FY 24/25	275804	TBA			Preliminary Engineering
73 Argyle Lane	Asheville		755	FY 24/25	219342	TBA			Preliminary Engineering
48 Clarendon Road Sewer Rehabilitation	Asheville	28806	500	FY 23/24	258562	TBA			Preliminary Engineering
55 Congress Street Sewer Rehabilitation	Asheville	28801	823	FY 24/25	247631	TBA			Preliminary Engineering



CONSTRUCTION TOTALS BY DATE COMPLETED - Monthly

From 7/1/2023 to 6/30/2024

	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 2023	15	5	173	490	22	20	9,974	0	120	0	0	0	120
August 2023	25	9	46	980	8	33	20,859	318	115	225	6	94	752
September 2023	22	11	54	826	8	25	41,142	113	660	667	2	0	1440
October 2023	23	11	114	311	16	15	20	0	485	146	2	0	631
November 2023	28	7	301	753	12	25	0	0	159	750	7	0	909
December 2023	17	7	43	594	10	27	0	0	155	0	0	0	155
January 2024	25	13	211	328	15	12	20	0	27	702	4	0	729
February 2024	35	7	114	469	9	18	5	0	0	482	0	0	482
March 2024	30	9	164	649	15	23	0	0	1162	0	4	0	1162
April 2024	35	15	151	716	24	19	555	0	545	540	6	200	1285
May 2024	32	13	84	872	20	24	7,000	0	357	530	5	0	887
June 2024	23	8	79	572	9	20	26,363	0	290	915	6	0	1205
Grand Totals	310	115	1,533	7,560	168	261	105,938	431	4075	4957	42	294	9757

* 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, 2023	94	28	35
	August, 2023	112	23	32
	September, 2023	100	26	38
	October, 2023	83	25	38
	November, 2023	88	30	35
	December, 2023	101	30	35
	January, 2024	119	32	25
	February, 2024	122	23	33
	March, 2024	104	28	35
	April, 2024	129	29	36
	May, 2024	99	24	39
	June, 2024	89	23	36
		1,240	27	34
NIGHT 1ST RESPONDER				
	July, 2023	27	36	26
	August, 2023	26	28	17
	September, 2023	32	22	32
	October, 2023	42	33	23
	November, 2023	26	22	31
	December, 2023	32	33	29
	January, 2024	46	28	24
	February, 2024	46	30	21
	March, 2024	36	32	22
	April, 2024	39	29	35
	May, 2024	52	28	22
	June, 2024	35	28	29
		439	29	26
ON-CALL CREW *				
	July, 2023	21	45	31
	August, 2023	13	74	44

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



CUSTOMER SERVICE REQUESTS Monthly - All Crews

CREW	MONTH	JOBS	AVERAGE RESPONSE TIME	AVERAGE TIME SPENT
ON-CALL CREW *				
	September, 2023	21	46	38
	October, 2023	21	45	42
	November, 2023	24	72	42
	December, 2023	38	48	45
	January, 2024	32	60	33
	February, 2024	22	55	42
	March, 2024	36	62	36
	April, 2024	22	85	41
	May, 2024	26	45	51
	June, 2024	27	63	44
		303	58	41
Grand Totals:		1,982	32	33

* 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, 2023 to June 30, 2024

	Main Line Wash Footage	Service Line Wash Footage	Rod Line Footage	Cleaned Footage	CCTV Footage	Smoke Footage	SL-RAT Footage
2023							
July	134,561	1,149	580	135,141	10,100	0	36,583
August	160,454	1,318	2,633	163,087	16,079	1,298	9,969
September	151,665	1,563	927	152,592	5,419	0	14,896
October	154,578	1,122	3,317	157,895	15,226	200	4,565
November	115,538	1,598	1,362	116,900	13,402	550	20,825
December	105,715	1,563	1,085	106,800	13,478	0	7,964
2024							
January	85,201	2,259	3,567	88,768	13,847	0	19,176
February	82,713	2,140	6,088	88,801	14,682	4,169	23,647
March	63,692	1,909	2,773	66,465	13,472	880	7,530
April	68,031	2,392	2,948	70,979	13,838	0	14,378
May	76,611	1,876	3,000	79,611	17,969	1,280	3,884
June	89,614	1,660	1,577	91,191	14,843	150	1,420
Grand Total:	1,288,373	20,549	29,857	1,318,230	162,355	8,527	164,837
Avg Per Month:	107,364	1,712	2,488	109,853	13,530	711	13,736

Planning & Development Project Status Report

Active Construction Projects Sorted by Work Location and Project Number

August 8, 2024

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	Ashecroft 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	North Bear Creek Subdivision Ph. I	2018117	Asheville	28806	5	105	9/6/2023	Waiting on Final Inspection
6	Timber Hollow Subdivision	2019049	Asheville	28805	18	525	7/28/2020	On hold
7	Millbrook Cottages	2019066	Asheville	28806	7	322	2/15/2022	Pre-con held, construction not yet started
8	3927 Sweeten Creek Rd (Rumi Way)	2019076	Asheville	28704	16	590	2/1/2023	Waiting on Testing
9	UNC-A Edgewood Road Parking Lot	2019078	Asheville	28801	Comm.	373	7/19/2019	Final Inspection complete, awaiting close-out docs
10	Ontera Blvd and May Street Relocate	2019207	Asheville	28803	0	16	1/17/2023	Pre-con held, construction not yet started
11	Villas at Pincroft (Amarx Beaverdam)	2020228	Asheville	28804	72	796	1/18/2024	Final Inspection complete, awaiting close-out docs
12	Burton Street	2021048	Asheville	28806	4	64	7/24/2024	Pre-con held, construction not yet started
13	Beloved Asheville	2021070	Asheville	28805	12	272	4/29/2022	Final Inspection complete, awaiting close-out docs
14	Reserve at McIntosh	2021207	Asheville	28806	228	2,475	12/14/2023	Waiting on Testing
15	Old Home Road Subdivision	2021094	Asheville	28804	21	1,790	5/4/2022	Waiting on Final Inspection
16	Woodfield (RAD Lofts)	2021063	Asheville	28801	235	403	6/8/2022	Waiting on Final Inspection
17	Fairfax and Maple	2021154	Asheville	28806	8	250	1/8/2024	Final Inspection complete, awaiting close-out docs
18	Reed Creek Mixed Use	2022008	Asheville	28801	49	295	2/23/2023	Final Inspection complete, awaiting close-out docs
19	Oak Hill Development	2022065	Asheville	28806	10	313	3/23/2023	Final Inspection complete, awaiting close-out docs
20	Randolph Avenue Commercial	2021149	Asheville	28806	Comm.	650	6/30/2022	Final Inspection complete, awaiting close-out docs
21	The Avery	2021206	Asheville	28801	200	161	11/8/2023	Waiting on Final Inspection
22	Long Shoals Apartments (The Meridian)	2022039	Asheville	28704	3	400	6/14/2023	Waiting on Final Inspection
23	Habitat New Heights Phase 2	2022042	Asheville	28806	60	1,810	6/9/2023	Waiting on Final Inspection
24	Busbee Phase 1A	2022102	Asheville	28803	179	1,325	1/24/2024	Waiting on Final Inspection
25	16/18 Spring Drive	2022125	Asheville	28806	2	70	4/18/2023	Final Inspection complete, awaiting close-out docs
26	Holiday Villa	2022172	Asheville	28704	7	355	2/15/2023	Final Inspection complete, awaiting close-out docs
27	Pennsylvania Avenue (Asheville Wesleyan)	2022260	Asheville	28806	7	113	1/11/2024	Final Inspection complete, awaiting close-out docs
28	1191 Bleachery Blvd	2023056	Asheville	28803	7	400	3/26/2024	Pre-con held, construction not yet started
29	Unadilla	2023106	Asheville	28803	3	105	6/25/2024	Waiting on Testing
30	West Haywood Street Apartments	2023117	Asheville	28801	46	215	7/16/2024	Pre-con held, construction not yet started
31	Enka Commerce Park	2023125	Asheville	28806	Comm.	1,525	7/9/2024	Pre-con held, construction not yet started
32	Crestview Extension	2023176	Asheville	28803	5	204	4/10/2024	Waiting on Testing
33	157 New Leicester Apartments	2023197	Asheville	28806	141	529	7/2/2024	Pre-con held, construction not yet started
34	The Shoppes at Winston's Corner	2024092	Asheville	28806	Comm.	777	8/7/2024	Pre-con held, construction not yet started
35	Givens Highland Farms-Cottage Development	2018272	Black Mountain	28711	16	1,355	9/13/2019	Final Inspection complete, awaiting close-out docs
36	Sweet Birch Lane Phase 3	2020151	Black Mountain	28711	20	800	6/30/2021	Waiting on Final Inspection
37	Old Toll Road Subdivision	2020182	Black Mountain	28711	14	637	8/17/2021	Waiting on Final Inspection
38	Tudor Croft - Phase 2D	2018004	Black Mountain	28711	5	224	6/8/2022	Waiting on Final Inspection
39	NC DOT I-5504 NC 191/I-26 Interchange	2016132	Buncombe Co.	28806	0	355	10/23/2017	Installing
40	Rockdale Subdivision	2018145	Buncombe Co.	28778	9	630	3/17/2020	Final Inspection complete, awaiting close-out docs
41	841 Charlotte Hwy	2019222	Buncombe Co.	28730	Comm.	110	4/20/2021	Waiting on Testing
42	Town Mountain Preserve Ph. 2	2020197	Buncombe Co.	28804	6	1,210	5/28/2021	Final Inspection complete, awaiting close-out docs
43	Rockberry Apartments	2021116	Buncombe Co.	28704	420	2,420	6/13/2023	Waiting on final inspection
44	Village at Bradley Branch Ph. 4B	2021120	Buncombe Co.	28704	16	393	11/2/2021	Final Inspection complete, awaiting close-out docs
45	Hominy Creek Multi-Family	2021195	Buncombe Co.	28715	216	1,310	9/7/2023	Waiting on Final Inspection
46	Biltmore Terrace Development Phase 4	2021208	Buncombe Co.	28803	31	400	6/14/2023	Waiting on Paving
47	Hawthorne at Holbrook	2021229	Buncombe Co.	28806	350	1,876	6/20/2023	Waiting on Final Inspection
48	Belle Meadow	2021235	Buncombe Co.	28806	74	1,730	6/9/2023	Waiting on Final Inspection
49	Farmstead at Olivette	2021247	Buncombe Co.	28804	33	1,280	2/7/2024	Installing
50	Asheville West Subdivision Ph. 2	2022032	Buncombe Co.	28806	50	1,570	7/26/2023	Final Inspection complete, awaiting close-out docs
51	Brooks Cove Road	2022045	Buncombe Co.	28715	141	2,357	5/3/2023	Final Inspection complete, awaiting close-out docs
52	Creekside Community (2177 Brevard Rd)	2022046	Buncombe Co.	28704	0	3,267	7/18/2023	Installing
53	Edgewood Road S - Offsite Extension	2022262	Buncombe Co.	28803	0	165	10/25/2023	Final Inspection complete, awaiting close-out docs
54	Creekside - Onsite	2023012	Buncombe Co.	28704	502	1,885	9/26/2023	Waiting on Final Inspection
55	Prestige Subaru Extension	2022134	Buncombe Co.	28806	Comm.	635	6/4/2024	Waiting on Testing
56	Montinail Land Co. Off-Site Extension	2023017	Buncombe Co.	28778	17	440	1/5/2024	Final Inspection complete, awaiting close-out docs
57	Lakeshore Villas	2023112	Buncombe Co.	28803	120	936	5/10/2024	Pre-con held, construction not yet started
58	Mulberry Street	2023128	Buncombe Co.	28804	5	426	3/13/2024	Waiting on Testing
59	Cottages at Weston Road	2023138	Buncombe Co.	28803	8	280	5/7/2024	Waiting on Testing
60	Edgewood Road S Subdivision Ph. 2	2023143	Buncombe Co.	28803	7	285	10/25/2023	Final Inspection complete, awaiting close-out docs
61	Collett Industrial (Banner Farm)	2020108	Cane Creek	28759	Comm.	255	11/20/2020	Final Inspection complete, awaiting close-out docs
62	Seasons at Cane Creek Phase 2	2022170	Cane Creek	28732	84	566	5/1/2024	Pre-con held, construction not yet started
63	Taproot Phase 2A	2021161	Fletcher	28732	151	2,462	6/6/2023	Final Inspection complete, awaiting close-out docs
64	Asheville Regional Airport	2022191	Fletcher	28732	Comm.	1,205	2/13/2024	Waiting on Final Inspection
65	Henderson County EMS (Fletcher Facility)	2023083	Fletcher	28732	Comm.	130	10/25/2023	Final Inspection complete, awaiting close-out docs
66	Rutledge Road Subdivision Phase 2 (The Authors)	2023073	Fletcher	28732	36	1,285	1/17/2024	Final Inspection complete, awaiting close-out docs
67	Taproot Phase 3	2023114	Fletcher	28732	128	4,130	2/7/2024	Installing
68	Ingles #140 Fletcher	2023139	Fletcher	28732	Comm.	715	11/30/2023	Waiting on Final Inspection
69	Brickton Road Relocation	2023195	Fletcher	28732	Comm.	275	4/30/2024	Final Inspection complete, awaiting close-out docs
70	Taproot Phase 4	2023237	Fletcher	28732	113	5,757	2/7/2024	Pre-con held, construction not yet started
71	Taproot Phase 5	2023238	Fletcher	28732	111	3,648	2/7/2024	Pre-con held, construction not yet started
72	Advent Health Hendersonville MOB	2023069	Hendersonville	28792	Comm.	356	3/26/2024	Waiting on Final Inspection
73	Mills River Townhomes (Jeffress Road)	2021253	Mills River	28759	150	3,267	6/6/2023	Waiting on Final Inspection
74	Haywood Park Subdivision	2022165	Mills River	28791	20	2,300	11/22/2023	Final Inspection complete, awaiting close-out docs
75	James River - Mills River Site	2022222	Mills River	28759	2	460	1/17/2024	Waiting on Final Inspection
76	18 Wildwood Park Sewer Relocation	2021129	Weaverville	28787	1	147	2/22/2022	Final Inspection complete, awaiting close-out docs
77	9 Pleasant Grove Extension	2023098	Weaverville	28787	40	780	10/26/2023	Waiting on Final Inspection
78	Crest Mountain Phase 3B	2013041	Woodfin	28806	69	1,329	10/15/2013	Final Inspection complete, awaiting close-out docs
79	Serenity Townhomes	2020037	Woodfin	28804	8	480	7/14/2020	Final Inspection complete, awaiting close-out docs
80	Weaverville Road Subdivision	2020123	Woodfin	28804	4	600	4/6/2021	On hold
81	Rydele Heights Phase 2	2021098	Woodfin	28804	24	412	3/1/2023	Final Inspection complete, awaiting close-out docs
82	Terraces at Reynolds Mountain West Ph I & II	2021164	Woodfin	28804	42	1,990	6/26/2024	Pre-con held, construction not yet started
			TOTAL		4,446	80,857		

CAPITAL IMPROVEMENT PROGRAM

STATUS REPORT SUMMARY

August 14, 2024

PROJECT	LOCATION OF PROJECT	CONTRACTOR	AWARD DATE	NOTICE TO PROCEED	ESTIMATED COMPLETION DATE	*CONTRACT AMOUNT	*COMPLETION STATUS (WORK)	COMMENTS
BUCHANAN AVENUE	Asheville 28801	Terry Brothers Construction Co.	11/15/2023	2/12/2024	9/30/2024	\$882,134.40	90%	Pipe nstallation complete. Final repaving and inspection in progress.
CHRISTIAN CREEK INTERCEPTOR	Buncombe County	Buckeye Bridge LLC	12/15/2021	3/14/2022	9/20/2024	\$7,456,109.70	99%	Final walkthrough complete. Working on punchlist items, including re-stripping of roadway and NCDOT signal loop repair.
HRPT WASTE SLUDGE BYPASS	WRF	IPC Structures, LLC	4/4/2024	4/23/2024	8/16/2024	\$89,873.20	100%	Project complete.
INTERMEDIATE CLARIFIER EFFLUENT TROUGH REHAB, PHASE 1	WRF	Cove Utility, LLC	10/18/2023	6/20/2024	12/1/2024	\$558,620.70	10%	Submittals complete. Fabrication of parts underway.
JOYNER AVENUE @ AMBOY ROAD	Asheville 28806	Terry Brothers Construction Co.	4/18/2024	7/8/2024	9/30/2024	\$420,388.00	70%	Pipe installation progressing well.
LINING CONTRACT NO. 9	Buncombe County	Terry Brothers Construction Co.	11/18/2023	3/20/2023	9/1/2024	\$2,647,604.31	99%	All field work complete. Close out documentation in process.
MSD MULL BUILDING HVAC RENOVATIONS PHASE 3	Woodfin	Bolton Construction	11/16/2023	4/22/2024	9/1/2024	\$193,286.00	99%	Project complete. Close-out documentation underway.
SAND HILL ROAD ODOR CONTROL STATION	Asheville 28806	Keys Construction	11/16/2023	1/4/2024	9/1/2024	\$87,100.00	85%	Structure installation complete. Fencing and area light still to be installed.
WEAVERVILLE PUMP STATION AND FORCEMAIN IMPROVEMENTS	Woodfin	Haren Construction Co.	1/17/2024	4/15/2024	7/4/2026	\$20,986,375.00	7%	Contractor mobilization is scheduled for August 19, 2024.

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