

**Stormwater Maintenance
Crews Completed Nearly 1,700
Work Orders During FY 2023-24**



The Clayton County Water Authority's Stormwater Utility (SWU) is proud to share these highlights from May 2023 – April 2024.

SWU's Stormwater Investigation Technician and Maintenance Crews work as a team to provide quality service when it comes to responding to customer calls. On average, a customer complaint was responded to within twelve (12) hours. When a customer calls with a stormwater issue, our Stormwater Investigation Technician is dispatched to check out every issue or complaint. During Fiscal Year 2023-24, he responded to over 1,024 customer related calls.

Part of the maintenance activity includes an aggressive inspection program. This helps our staff determine potential problem locations, as well as being compliant with our Stormwater Permit. Using both internal staff and outside contractors, CCWA inspected the following structures over the past year:

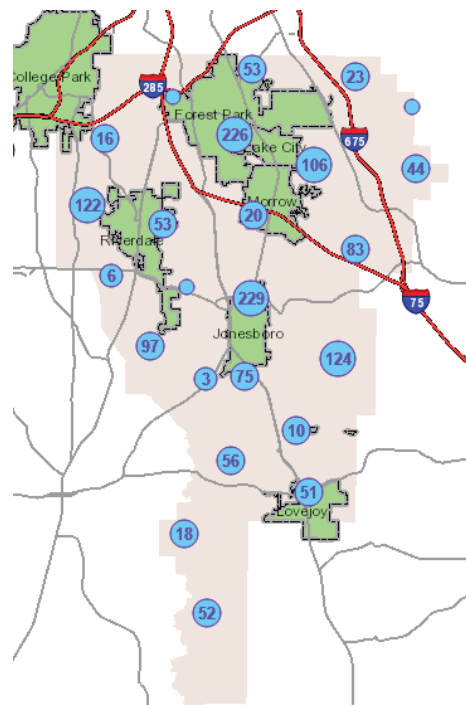
- Approximately 2,793 catch basin and inlets
- Approximately 236,170 linear feet (44.7 miles) of storm drains
- Approximately 161,856 linear feet (30.7 miles) of ditches

The Stormwater Maintenance staff of 21 employees (two pipe repair crews, one grading crew and one vacuum truck crew, and one miscellaneous repair crew) addressed 1,668 work orders. Activities from these completed work orders represent:

- Approximately 28,357 linear feet (5.4 miles) of storm drain lines
- Approximately 62,612 linear feet (11.9 miles) of graded ditches
- Approximately 320 cleaned/repaired catch basins

Maintenance costs for this work completed between May 2023 and April 2024 were roughly \$3.2 million. In addition to the maintenance work orders, CCWA solicited the help of outside construction firms to perform larger-scaled Capital Improvement Projects (CIP). These projects include repair methods of "Remove and Replace" (R/R), as well as a newer technology called "Cured-In-Place Piping" (CIPP).

Using both methods, CCWA performed 73 large-scaled CIP's throughout the county last year. The 67 R/R and 6 CIPP jobs resulted in costs slightly under \$3.4 million. Combined, approximately 12,263 feet (2.32 miles) of pipe were replaced/renewed using these methods.

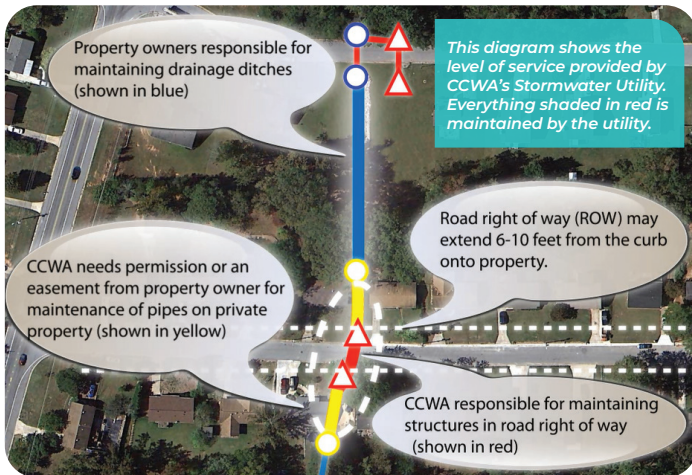


Your Stormwater Dollars At Work

The Clayton County Water Authority's Stormwater Utility (SWU) is responsible for stormwater management activities for unincorporated Clayton County and the cities of Forest Park, Jonesboro, Lake City, Lovejoy, Morrow and Riverdale.

These activities include Construction Plan Reviews and Inspections, Floodplain Management, Illicit Discharge/Illegal Connection Inspections and maintenance of stormwater infrastructure within the road right-of-way.

This annual report is produced to show a summary of the activities that have been performed by Clayton County Water Authority's Stormwater Utility over the past year and how your Stormwater dollars are being used.



Stormwater Pollution Solutions

- Never dump anything down storm drains or into streams and report anyone who does.
- Apply lawn chemicals according to the label. Do not over apply chemicals and never apply before a rain event.
- Keep grass clippings and other yard waste out of street gutters and storm drains. Drains blocked by excessive debris could cause flooding. Compost or mulch instead.
- Dispose of used motor oil, paint, and other household chemicals properly or bring them to our annual Household Hazardous Waste Collection Day in April.
- Do not dispose of used cooking oil by dumping it outside or in a storm drain.
- Don't litter. Put trash in its place.
- Take your car to a commercial car wash facility. Washing cars on driveways or streets will result in the cleaning products flowing directly into storm drains.
- Pick up your pet's waste. Pet waste can carry harmful bacteria and parasites.

Stormwater Utility Services include:

Maintenance, repair and replacement of stormwater infrastructure within the road right-of-way, and directly connected to the right-of-way

- Floodplain management
- Construction plan reviews and inspections
- Illicit discharge/illegal connection inspections
- Public education/public involvement
- Watershed improvement activities

Responsibilities of property owners and local jurisdictions:

- Remove debris from ditches or yards
- Maintain drainage ditches on private property
- Maintain or clean curb and gutter
- Clean or mow roadside ditches

Flood Protection

CCWA may be able to provide some guidance regarding your flooding issues should you request a site visit. Some common types of advice may include the following:

- Demolish the building or relocate it out of harm's way
- Elevate the building above flood level
- Elevate damage-prone components, such as the furnace or air conditioning unit
- Dry floodproof the building so water cannot get into it
- Wet floodproof portions of the building so water won't cause damage
- Construct a berm or redirect drainage away from the building
- Maintain nearby streams, ditches, and storm drains so debris does not obstruct them.
- Correct sewer backup problems

To request a site visit, please contact CCWA Floodplain Management at 770.302.1768 or email ccwa_floodplain@ccwa.us.

Do you know your property's Floodplain status?

Flood insurance rate maps (FIRM's), also known as Floodplain Maps, went into effect on June 2017 for properties located in Clayton County. After years of extensive studies and analysis, CCWA revised the County's Floodplain Maps, as guided by FEMA. The County's maps were digitally updated in 2007, but several other factors required additional field studies and desktop engineering to bring the maps up to date.

These updated maps are more precise than older maps because better flood hazard and risk data has been incorporated, and the latest science has been used to make them more accurate. Flood risks change over time due to construction, development, environmental changes, floodplain widening or shifting, and other factors. These changes send water flowing in new directions, creating flood risks that didn't exist previously—precisely why flood maps must be updated periodically.

The updated maps give staff a better understanding of local risk assessment, floodplain management, land use and emergency planning.

To determine your floodplain status, you may visit the Georgia Flood Map Program site at www.georgiadfirm.com. On that page, first you will need to check the box to "agree to the terms and conditions" to enter the website. Then, you will type your street address, city, state and zip code into the search bar where it states, "type your address here...". Then, select the 'Find' button, and you will be directed to useful floodplain information available for your property, such as the flood zone located on your property, the Base Flood Elevation (or BFE), whether or not your home is located in a floodway, what official FEMA flood panel map your property could be found on, etc.

Please note, your Floodplain status is determined on whether the floodplain boundary touches your property. Your home, or important structure, may be elevated such that the lowest floor may be higher than the BFE. These maps may not provide you information on your particular structure. It may be necessary for the property owner to have an elevation certificate prepared, at their costs. Elevation certificates must be prepared by a Registered Land Surveyor or Professional Engineer. CCWA does not provide this service for property owners. Costs for the preparation of an elevation certificate ranges from \$500 to \$1,500. It is up to the property owner to procure these services.

If you have a mortgage on your property, the lender may require a Flood Insurance policy if your property is within the boundaries of a floodplain. An elevation certificate may assist in reducing the cost of a flood insurance policy, if it can be determined the structure, in question, is elevated to where flooding risks are minimized. In some cases, the flood insurance policy may not be needed.

If you need additional assistance, please contact CCWA's Floodplain Division at ccwa_floodplain@ccwa.us or at 770.302.1768.

SPOTLIGHT PROJECT: CC INTERNATIONAL PARK

A huge, and deep, sinkhole near a County Park walking trail system reveals a failing storm drain system.

Clayton County International Park – Unincorporated Clayton County | Approx. \$145,000

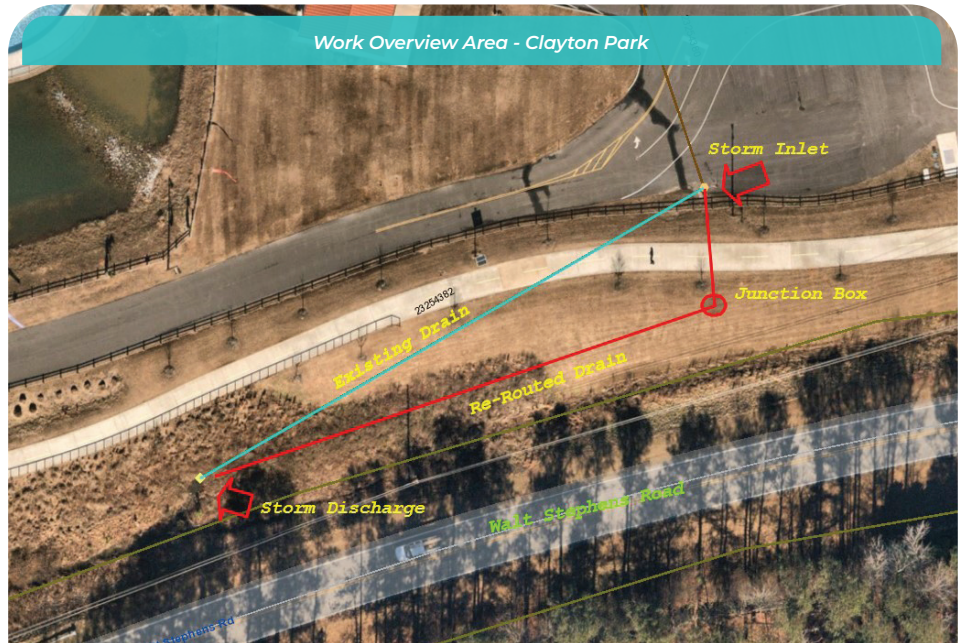
The Clayton County Water Authority's (CCWA) Stormwater Utility is required by the County's Stormwater Permit to inspect 20% of stormwater infrastructure (pipes, catch basins, ditches) on an annual basis. But there are occasions where problems occur between inspection periods. CCWA staff was performing staff training in the main parking lot of Clayton County International Park. This training was totally separate from inspection related activities. While performing that staff training, our team noticed a sinkhole forming around a drainage inlet, near the walking trail.

CCWA Staff worked with the Clayton County Parks and Recreation team to secure this location, to minimize risks for the public, until this issue could be investigated further. The initial investigation was inconclusive, due to the pipes' condition. The routing of the existing pipe would have required our team to demolish over 100 feet of the concrete trail system. The failing storm drain system was a 36-inch corrugated metal pipe that has been in service for over 30 years.

The CCWA staff, in an effort to expedite the replacement, while minimizing impact to the trail system usage, decided to re-route the piping system. Cutting directly across the trail system with the new pipe and using a junction box to change the pipe's direction, allowed our team to keep the discharge point in the same location as the existing storm drain. A new high-density polyethylene (HDPE) pipe was used to replace the existing storm drain system. HDPE pipe is less prone to corrosion and a more suitable choice for this service as this storm drain receives continuous flow.

This work required this portion of the trail system to be closed for a period of three weeks but those using the overall trail system encountered minimal impacts as they were able to walk around the construction area.

Overall, 300 feet of new storm drains drain pipes were installed. This work also included site restoration activities such as landscaping (grassing), concrete (trail), and rip-rap stone. The total cost of the work was \$145,350.79.



Career Day Events

Stormwater staff participates in numerous Career Day events at ClaytonCounty Public Schools. Through these events, staff connects with thousands of students to educate them about the damaging effects of stormwater pollution and what they can do to protect our water quality.

Educational Programs - We're Project WET Certified!

Several of our CCWA Ambassadors have received the training to become Project WET certified. Project WET uses an action-oriented approach to provide education on the value of water. Our Stormwater Ambassadors will develop programs with an urban watershed focus. We'd love to create a program that aligns with the Georgia Standards of Excellence & fits your student's needs! To request our participation at your school, please contact us at CCWA_CommunityRelations@ccwa.us

2024 Rivers Alive Stream Cleanup

Saturday, October 19th

Location – T.B.D

10 a.m. – Noon

CCWA's Stormwater staff works throughout the year to educate residents about the damage stormwater pollution does to our local waterways and how they can prevent this pollution from making its way into our drinking water. This event gets residents involved in preserving and protecting our local waterways.

Community volunteers join CCWA volunteers at our annual stream cleanup event as we remove trash, litter and debris from one of our local streams or creeks. We will provide t-shirts, bags and gloves. This is a great volunteer opportunity for scouts, civic groups, church groups, environmental clubs and families.

We are currently determining our next clean up location. Check our website (ccwa.us) and follow our Facebook page (@ClaytonCountyWater) for updates.



Thank You for Turning in over than 65,000 lbs. of Household Hazardous Waste During Spring Collection Day

CCWA's Stormwater Utility hosts Household Hazardous Waste Collection Day every Spring to give residents the chance to dispose of a variety of household items, such as used paints, oil, pesticides, cleaners, batteries and chemicals.

CCWA contracted with MXI Environmental for collecting and disposing of the waste during this free, four-hour event on Saturday, April 27, 2024, at the W.B. Casey Water Resource Recovery Facility in Jonesboro.

MXI serviced 476 vehicles and processed over 65,100 lbs. of waste. The event costs nearly \$37,000 (the cost for the contractor collecting and properly disposing of the items) and goes a long way to keeping these pollutants out of our local creeks, streams and landfill.

Thank you to all Clayton County residents and CCWA Ambassadors who helped make the 2024 event a success!

Report Illegal Dumping Into Stormwater Infrastructure

It is important to keep our stormwater infrastructure, streams and creeks free of harmful items that wind up in our drinking water reservoirs. This includes used motor oils, paints, pesticides, chemicals, litter, trash and even grass clippings.

Many people believe that everything in a storm drain goes through a treatment process just like wastewater. However, Clayton County's storm water infrastructure is not tied in to our sanitary sewer system. So, everything that makes its way into a storm drain, stream or creek winds up in our raw water reservoirs.

If you see someone dumping anything into one of Clayton County's storm drains, streams or creeks, please notify the Water Authority contacting our Call Center at 770.960.5200. If you see someone in a vehicle dumping, any information you can provide (tag number, company name, etc.) is helpful.

Flood Map Service

CCWA Floodplain Management staff is available to explain information to you regarding your property such as the base flood elevation, flood zone, FIRM panel, additional FIRM data, flood insurance information, and whether there are any wetlands on your property. To discuss your property's floodplain status with CCWA floodplain management staff, contact ccwa_floodplain@ccwa.us or at 770.302.1768.

Connect with us:

 /ClaytonCountyWater

 Clayton County Water Authority

Looking for a Speaker?

If you would like a Stormwater staff member to speak to your civic group or HOA, please call 770.960.6972.

To Report A Stormwater Issue

Report flooding, a clogged drain, or other stormwater issue please contact our Call Center at 770.960.5200.

Quality Water, Quality Service

1600 Battlecreek Road Morrow, GA 30260
770.960.5200 | www.ccwa.us

www.ccwa.us

Board of Directors and Leadership

| | |
|--------------------|------------------------------|
| Dr. Cephus Jackson | Chair |
| Marie Barber | Vice Chair |
| P. Michael Thomas | Secretary/Treasurer |
| Dr. John Chafin | Board Member |
| Rodney Givens | Board Member |
| Robin Malone | Board Member |
| Emma Godbee | Board Member |
| H. Bernard Franks | Chief Executive Officer |
| Keisha Thorpe | Chief Operations Officer |
| Teresa Worley | Chief Administrative Officer |