

2025 ANNUAL

STORMWATER REPORT

Stormwater
Maintenance Crews
Completed Nearly 1,900
Work Orders During FY 2024-25



The SWU's 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 six (6) 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 2024-25, he responded to over 1,308 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:

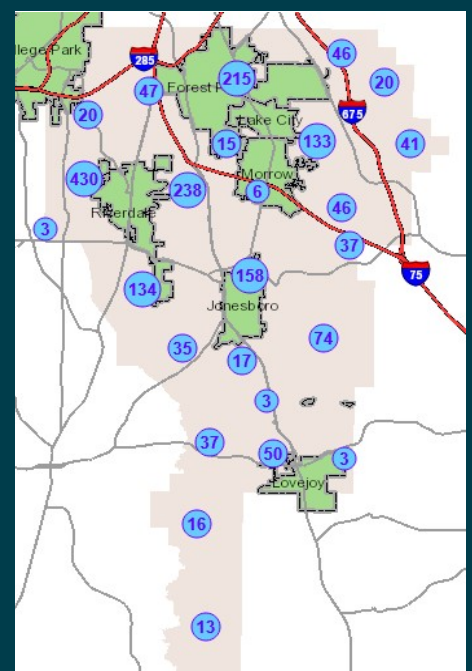
- Approximately 2,800 catch basin and inlets
- Approximately 238,600 feet (45.2 miles) of storm drains
- Approximately 82,250 linear feet (15.6 miles) of ditches

The Stormwater Maintenance staff of 21 employees (two pipe repair crews, one grading crew, one vacuum truck crew, and one miscellaneous repair crew) addressed 1,922 work orders. Activities from these completed work orders represent:

- Approximately 39,600 linear feet (7.5 miles) of storm drain lines
- Approximately 23,000 linear feet (4.4 miles) of graded ditches
- Approximately 475 cleaned/repaired catch basins

Maintenance costs for this work completed between May 2024 and April 2025 were roughly \$3.1 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).

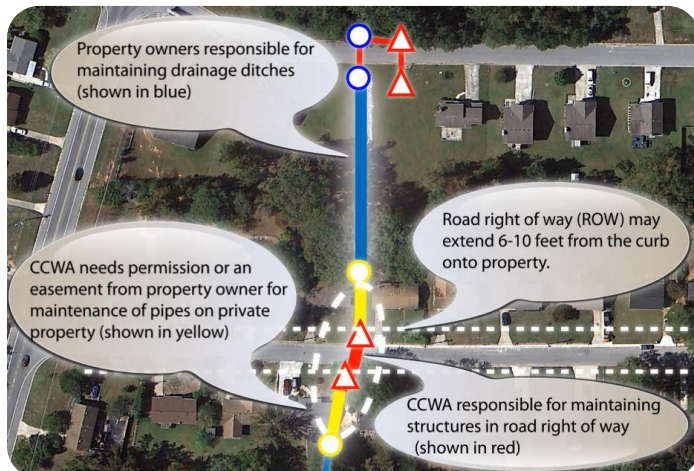
Using both methods, CCWA performed 79 large-scaled CIPP's throughout the county last year. The 71 R/R and 8 CIPP jobs resulted in costs slightly under \$3.7 million. Combined, approximately 11,799 feet (2.23 miles) of pipe were replaced/renewed using these methods.



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.



The diagram above shows the level of service provided by CCWA's Stormwater Utility. Everything shaded in red is maintained by the utility.

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

STORMWATER POLLUTION SOLUTIONS

Did you know? In Clayton County, our stormwater is not treated before it goes to our drinking water reservoirs. Stormwater pollution can directly affect our water quality. Here are some solutions to stormwater pollution.

- 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.
- 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.

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: VINTON WOODS DRIVE

Historical development near a stream reveals a failed storm drain culvert near a home's foundation.

Vinton Woods Drive – Unincorporated Clayton County | Approx. \$107,000

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. This requirement mainly applies to infrastructure located within the road right-of-way. But with CCWA's extended level of service, CCWA can assist homeowners with the repair/replacement of stormwater pipe located on private property. That pipe must be directly connected to infrastructure located on the road right-of-way.

CCWA staff were notified by a concerned resident about a sinkhole forming on their property. This void was encroaching under their driveway, immediately next to the home's foundation. Upon inspection, our team found a failing 48" corrugated metal pipe that was installed to pass a flowing creek. Due to the urgency, our team began an emergency repair but realized the problem was worse than originally thought. The entire driveway was undermined and as our team began excavating, the entire driveway failed.

With the failed storm culvert being so close to the home's foundation, our team proceeded to grout fill that culvert section. The remainder of the culvert was removed, and the entire section was re-routed away from the home's foundation with high-density polyethylene (HDPE) pipe. HDPE pipe is less prone to corrosion and a more suitable choice for this service as this storm drain receives continuous flow.

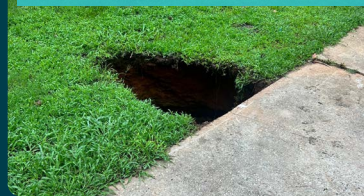
Overall, 80 feet of new storm culvert was installed. This work also included site restoration activities such as landscaping (grassing), concrete (driveway), and rip-rap stone. The total cost of the work was \$106,862.00.

Current regulations don't allow storm infrastructure to be installed so close to home foundations. There are also other regulations that dictate the material used for piping streams and creeks.

Vinton Woods Drive - Street View Before Construction



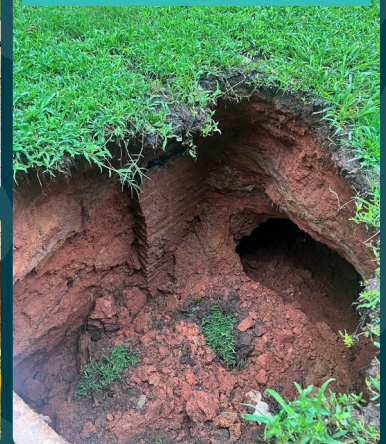
Pre-Construction #1



During Construction



Pre-Construction #2



Post Construction #1



Post Construction #2



Post Construction #3



CAREER DAY EVENTS

Stormwater staff participates in numerous Career Day events at Clayton County 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.



2025 RIVERS ALIVE STREAM CLEANUP

SATURDAY, OCTOBER 18TH | 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.



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**.



THANK YOU FOR TURNING IN MORE 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, March 29, 2025, at the W.B. Casey Water Resource Recovery Facility in Jonesboro.

MXI serviced 314 vehicles and processed over 65,300lbs. of waste. The event costs nearly \$39,000 (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 2025 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 stormwater 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 by 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.

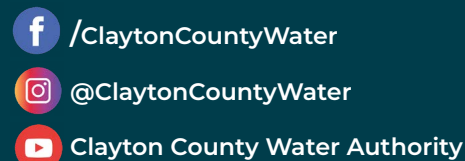


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