Storm Water Management Program

Annual Report

City of Phenix City, Alabama

Individual Phase II MS4

NPDES Permit No. ALR040019

April 1, 2024 – March 31, 2025

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1.0 Introduction

This Annual Report is required by Part VI of the Alabama Department of Environmental Management (ADEM) National Pollutant Discharge Elimination System (NPDES) Individual Permit ALR040019 for discharges from the City of Phenix City (Phenix City) Municipal Separate Storm Sewer System (MS4).

1.1 Phenix City MS4 Area

The first phase of the MS4 program was initiated in 1990. It stipulated that incorporated places with populations greater than 250,000 would be subject to permitting as large MS4's. If an incorporated place had a population of less than 250,000 but greater than 100,000 it would be subject to permitting as a Medium MS4. As Phenix City did not meet either of those population thresholds when the phase I regulations were rolled out it was not subject to them. That changed when nine years later in 1999 the EPA rolled out the Phase II regulations. These regulations stipulated that MS4's falling within Census-designated urbanized areas that did not meet the Phase I regulations would have to register as a Phase II small MS4 and obtain a NPDES permit in order to discharge stormwater into state and local waters. The City of Phenix City maintains a valid and current NPDES Permit effective October 10, 2021 and is authorized to discharge stormwater into waters of the United States. This permit expires on September 30, 2026 and the City intends to renew it.

The latest US Census Bureau estimates (as of July 2023) indicate that Phenix City had a population of 38,441 and 16,376 total households. Phenix City is located in southeast Alabama within the *Columbus, Georgia – Alabama Urbanized Area*. The Phenix City MS4 area encompasses approximately 18.5 square miles (11,852.8 acres), while the city limits of Phenix City encompass an area of approximately 28 square miles (17,920 acres).

1.2 Hydrologic Units in the Urbanized Area

The Chattahoochee River is the primary receiving water for the Phenix City MS4. Hydrologic hierarchy, watersheds, and subwatersheds are provided in the tables below.

Table 1-1: Hydrologic Hierarchy

	Hydrologic Unit Code (HUC)*	Name
REGION	03	South Atlantic-Gulf
SUBREGION	0313	Apalachicola
BASIN	031300	Apalachicola
SUBBASIN	03130002	Middle Chattahoochee-Lake Harding
SUBBASIN	03130003	Middle Chattahoochee-Walter F. George
WATERSHED	033000213	Standing Boy Creek – Chattahoochee River
WATERSHED	0313000303	Bull Creek – Chattahoochee River
WATERSHED	0313000304	Little Uchee Creek
WATERSHED	0313000305	Uchee Creek

Table 1-2: Subwatersheds in the Phenix City MS4

SUBWATERSHEDS	HUC*	TOTAL AREA (Acres)**
Soap Creek – Chattahoochee River	031300021306	28,506
Holland Creek – Mill Creek	031300030301	15,729
Moon Lake – Chattahoochee River	031300030304	6,931
Cochgalechee Creek	031300030305	8,172
Broken Arrow Creek – Chattahoochee River	031300030306	20,243
Lower Little Uchee Creek	031300030403	36,752
Cowpen Creek – Uchee Creek	031300030505	20,248

*** - For more information on HUC you can visit *Hydrologic Unit Codes of the United States***

****- This is the total area of the subwatersheds, including any area outside of Phenix City in that subwatershed.**

1.3 Water Quality Concerns

Section 303(d) of the Clean Water Act (CWA), as amended by the Water Quality Act of 1987, and the EPA's Water Quality Planning and Management Regulations (40 CFR 130) require states to identify waterbodies not in compliance with the water quality standards applicable to their designated use classifications. The identified waters are prioritized based on the severity of the pollution. Section 303(d) then requires that Total Maximum Daily Loads (TMDLs) be determined for all pollutants causing violation of applicable water quality standards. The TMDL process establishes the allowable loading of pollutants or other quantifiable parameters for a waterbody based on the relationship between pollution sources and in-stream water quality conditions.

The Chattahoochee River is the primary receiving water for the Phenix City MS4. In 2006 ADEM identified Mill Creek, a tributary to the Chattahoochee River that runs through Phenix City, as an impaired stream in that years 303(d) list for Alabama. In 2018 Mill Creek was removed from the 303(d) list and it has remained off of it as of the publishing of this report. The following table summarizes the previously found impairments for Mill Creek.

Although Mill Creek is no longer considered impaired the Phenix City Engineering Department continues to perform quarterly water sampling and testing in order to monitor and assess the condition of the stream. The latest results for the Mill Creek – Holland Creek Water Monitoring Program can be found in **Appendix II – Water Monitoring**

Table 1-3: Previously Impaired Waterbody Segments in the Urbanized Area

ASSESSMENT UNIT ID	WATERBODY NAME	USES	CAUSES	SOURCES
AL03130003-0101-100	Mill Creek	Fish & Wildlife	Organic Enrichment (CBOD,NBOD)	Urban development

1.3.1 Mill Creek

Mill Creek originates in Smiths Station and flows in a southeast direction towards Phenix City. The stream merges with Holland Creek and discharges into the Chattahoochee River. The confluence with the Chattahoochee River is near the Phenix City Riverwalk directly below the Chattahoochee River Whitewater Park. Mill Creek is approximately 9.9 miles long and the previous impairment was listed for the entire length of the creek. The Holland Creek - Mill Creek subwatershed is approximately 15,729 acres in size and is highly urbanized with many subdivisions and ongoing construction activities.

Sources of organic enrichment from potential sources within the Holland Creek - Mill Creek subwatershed include:

- Failing septic systems
- Municipal storm water runoff
- Fecal matter from pets and wildlife
- Fertilizer application / yard waste

Part IV.D of the NPDES General Permit requires that the Storm Water Management Program Plan (SWMPP) include Best Management Practices (BMPs) and control measures specifically targeted to control discharges of pollutants associated with the impairment.

No waterbody within either the City limits of Phenix City or the Phenix City MS4 area is in the finalized 2024 Alabama 303(d) list.

1.4 Annual Report Components

Part VI of the NPDES General Permit requires that the City of Phenix City develop and submit an Annual Report that reflects activities from April 1, 2024 through March 31, 2025 and include the following:

1. List of contacts and responsible parties for the participation of the Annual Report.
2. Evaluation of the SWMPP development and progress for the following:
   a. Major accomplishments
   b. Overall program strengths and weaknesses
   c. Future direction of the program
   d. Overall determination of the effectiveness of the SWMPP to water quality/watershed improvements
   e. Measurable goals that were not performed and reasons why
   f. Evaluation of monitoring data
3. Measurable goals for each of the five minimum control measures.
   a. Minimum control measures completed and in progress;
   b. An assessment of whether or not the existing BMPs are appropriate
   c. Proposed changes to the SWMPP, including changes to the BMPs or measurable goals.
4. Summary table of storm water controls planned for the upcoming year.
5. Progress toward reducing the discharge of pollutants to the maximum extent practicable.
6. Notice of reliance of another entity to satisfy some of the City's permit obligations, if any.
7. Results of the evaluation to determine if discharges from the City's MS4 directly or indirectly contributes to any waterbody on the 303(d) list, designated by the ADEM as impaired, or for which a TMDL has been established or approved by the EPA.
8. Monitoring data for the previous year, if required under Part V of the permit.

2.0 Contacts List

Part VI.4.a of the NPDES Permit requires that the City of Phenix City provide a list of contacts and responsible parties involved in the preparation of the Annual Report. The Phenix City Engineering Department, Mayor's office, and City Manager's office are collectively responsible for the coordination and implementation of the City's Annual Report. The individuals responsible for the coordination and implementation of the Annual Report are provided in the table below. Questions concerning the 2024-2025 Annual Report should be directed to the Engineering Department.

Table 2-1: City Departments and Responsible Individuals

DEPARTMENT	CONTACT	PHONE NO.	EMAIL
Mayor's Office	Mayor Eddie N. Lowe	334-448-2701	elowe@phenixcityal.us
City Manager's Office	Wallace B. Hunter	334-448-2701	whunter@phenixcityal.us
Engineering Department	Angel Moore, P.E., City Engineer, Director of Engineering and Public Works	334-448-2760	amoore@phenixcityal.us
Engineering Department	Michael Pattillo, Assistant Director of Engineering and Public Works	334-448-2760	mpattillo@phenixcityal.us
Engineering Department	Sebastian Gonzalez, Stormwater and Erosion Control Coordinator	334-448-2775	sgonzalezperez@phenixcityal.us

3.0 Program Evaluation

3.1 Major Events

3.1.1 Outfall Inventory Update

In 2024 the City's Information Technology (IT) Department acquired several GNSS receivers for the purpose of data collection. In 2025 the Engineering Department initiated a program to utilize these receivers to update the City's Outfall Inventory. This was done because the current Outfall Inventory includes many structures which are not actually outfalls. Because the City is obligated to inspect a certain percentage of outfalls every year as part of our NPDES permit these structures put an unnecessary burden on employees. By removing these structures from the Outfall Inventory the workload on City employees will be lessened and the City's data will be more accurate.

3.1.2 Continued Recycling of Electronics Waste

The City continues its efforts to properly dispose of electronics waste generated within its boundaries. The City opts to recycle electronics rather than landfilling it due to it being a more environmentally responsible process that prevents lead and other heavy metals and toxic substances from leaching into and contaminating the City's ground and surface waters.

Unlike previous reporting years where the majority of the electronics waste generated was cathode ray tube (CRT) and flat screen televisions from the general public, this cycle we saw a significant portion of the recycling originate from the City's IT department. We also recycled small appliances and miscellaneous electronic devices such as radios, batteries, hard drives, etc. Almost all of the electronics recycling originating from the public was procured through the curbside pickup service offered by the City's Public Works Department.

In the 2024-2025 reporting year Phenix City conducted two electronics recycling pickups. The first pickup occurred in July 2024 and it generated 3,303 pounds (1.65 tons) of electronics material. The second pickup occurred in January 2025 and the details of this event have not yet been made available to the City.

3.1.3 Continued Annual Inspections of Post-construction BMP's

The City continues to perform annual inspections of post construction Best Management Practices (BMP) to ensure that the BMP's are being maintained by the owner and are functioning as designed. Letters are sent to the owner or responsible parties detailing what deficiencies (if any) are found and what corrective actions need to be taken.

3.1.4 Application for Grant with the ADEM Recycling Grant Fund

In the 2024-2025 reporting year the City applied for a $150,000 grant with the Alabama Department of Environmental Management Recycling Grant Fund in order to fund a new recycling building at the Phenix City C&D Landfill. The City's goal for this recycling building is for it to be the nexus for present and future recycling efforts. This building will be particularly useful in expanding our electronics recycling capabilities. The result of this will be a better and more efficient recycling program.

3.1.5 Reduction in Pollutants

Phenix City has four monitoring locations along Mill Creek and Holland Creek. Samples are collected and sent to Auburn Environmental Consulting & Testing for the testing of CBOD, Orthophosphate, TKN, Nitrate & Nitrite, and total Phosphorus pollutants. Both CBOD and the total phosphorus levels contribute to strain on life in the creek ecosystem. CBOD leaches the dissolved oxygen in the water making it difficult for aquatic life to function. Excess phosphorus nutrients being washed into the creeks also contribute to an unhealthy water quality. Although efforts in previous years to reduce pollutant levels in Mill Creek were successful, the work to maintain pollution levels as low as possible is ongoing and continues to produce positive results.

The testing of samples from the four monitoring locations is conducted on a quarterly basis. The City's monitoring program assesses the effectiveness of the control measures and BMPs in reducing impacts from organic enrichment in Mill Creek. The intent of the monitoring program is to provide sufficient data for evaluation as to whether or not the quality of the receiving waters are worsening, sustaining, or improving as a result of the control measures and BMPs.

3.1.6 Pre-construction and Post-construction Inspections

During the 2021-2022 reporting year, the City implemented a pre and post-construction inspection checklist to ensure lot drainage and BMP installation complies with the drainage and erosion control plans approved by the City. The purpose of these inspections is to not only prevent erosion and sediment control issues in the future, but also to keep developers, homebuilders, and contractors accountable to approved erosion control plans and land disturbance permits. During the 2024-2025 reporting year these inspections were instrumental in enforcing the policies in the City's Erosion and Sediment Control Ordinance. See **Appendix III – Forms and Applications** for inspection forms.

3.1.7 Scrap Tire Transporter and Receiver Registration

The City was approved as a Class Two Scrap Tire Receiver on September 6, 2022 and a Transporter on September 27, 2022. This registration will not only hold City personnel accountable for where and how tires are stored, but also how stormwater runoff from any tire storage is handled. The City's registration number as a receiver is SC20000-054524 and as a transporter is STT0000- 000053 and the certificates of registration can be found in **Appendix IV – Scrap Tire Permit**. The City is currently in the process of renewing its Scrap Tire Facility Registration permit as has submitted the required documentation pending approval by ADEM.

Additionally, the City entered into an agreement with Russell County whereby the county would provide the City with a 40-yard dumpster for the monthly removal of scrap tires. This agreement went into effect January 6, 2025.

3.1.8 Hiring of Engineering Technician II

Erik Campbell joined Phenix City in 2024 as an Engineering Technician I and in that same year he was promoted to Engineering Technician II (Eng Tech II). In his new role Erik will work alongside the Stormwater and Erosion and Sediment Control Coordinator (SW and ESC Coordinator) to monitor and protect the quality of Phenix City's surface and ground waters. They will also ensure the City adheres to its SWMPP.

3.2 Overall Program Strengths/Weaknesses

Program Strengths

The City and the Engineering Department take the management of stormwater issues very seriously and have provided the Eng Tech II and the SW and ESC Coordinator (Stormwater Team) with the necessary resources to comply with the SWMPP. In the past two years the Engineering Department has procured equipment such as manhole tripods and manhole ladders to improve the capability of personnel to inspect and maintain stormwater infrastructure. In fact, during the January 2025 snowstorm two out of the three rain gauges owned and operated by the Engineering Department were cracked and damaged due to the snow and freezing temperatures. The Stormwater Team was provided with the resources necessary to quickly purchase and install replacement rain gauges such that interruptions to data collection were minimal.

Another strength of the City's SWMPP is the interdepartmental collaboration between the Engineering Department and the IT Department, especially with regards to Geographic Information Systems (GIS) capabilities. These collaborations have allowed the Stormwater Team to adopt new technology to facilitate the collection, cataloging, storage, and visualization of stormwater data in new and innovative ways. In fact, the maps and many of the other resources found in the appendix to this report were made possible because of these capabilities. GIS programs such as ArcGIS Pro, ArcEarth, ArcGIS Survey123, and many other such software are licensed to the City through the IT Department. These licenses are acquired from ESRI, a world leading GIS software company.

The responsiveness of the Public Works Department to work orders submitted by the Stormwater Team is another key strength of the City's SWMPP. During the 2024-2025 reporting year the Public Works Department responded to work orders regarding missing manhole lids, clogged stormwater inlets, and damaged stormwater structures.

Lastly, the continued implementation and enforcement of the Land Disturbance Ordinance, the ESC Ordinances, and the Public Works Manual have proved beneficial to the City and are key to future responsible development within Phenix City. These documents and ordinances streamline and clarify the rules relating to development within the City and will make it easier to enforce and maintain the Phenix City's MS4 Permit.

Program Weaknesses

Even though the City has in the past acquired specialized inspection equipment in order to facilitate inspections of stormwater infrastructure there are still blind spots that need to be addressed. One example would be the City's lack of advanced inspection equipment such as crawler drones. Tools like this would allow City personnel to inspect places they normally would not be able to, such as small and confined pipes or structures that are too damaged and/or dangerous for a person to enter.

Another ongoing challenge facing the City's stormwater program is the maintenance of post-construction BMPs, specifically detention ponds. The status of many of these ponds within the City has grown dire over the years. The City has in the past requested quotes from landscaping contractors to bring some of these tax delinquent ponds into compliance. The total cost for just four ponds was well above one hundred thousand dollars. If the costs to bring the rest of the ponds into compliance is similar then the total cost for this project may reach or exceed one million dollars. The Engineering Department continues to search for alternate sources of funding such as grants in order to bring these ponds into compliance.

Another area of improvement for the City's SWMP is in forming partnerships and agreements with local environmental non-profits and river conservancy groups such as the Chattahoochee River Conservancy and the Chattahoochee Riverkeeper.

3.3 Future Direction of the Program

In order to improve the Phenix City MS4 program the City will implement/continue implementing the following actions in the upcoming reporting period:

- The City will revise and improve the Storm Water Management Program as necessary.
- In order to protect the City's surface and ground water quality as well as the health of the citizenry the City will continue to implement the Illicit Discharge Detection and Elimination Program. Revisions and improvements to the program will be made as necessary.
- The City will look into partnering with community groups, non-profits, and conservancy groups for the protection of the water quality of the Chattahoochee River and other surface and ground waters within Phenix City.
- The City will study the feasibility of acquiring advanced inspection tools such as crawler drones.
- The City will continue to recycle electronics and will look for ways to make this process easier, less costly, and more efficient.
- The City will work towards securing funding in order to alleviate the financial pressure of maintaining state-owned post-construction BMPs.

4.0 Agency Certification

I certify under penalty of law that this document and all attachments pertaining to the City of Phenix City were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations.

ATTEST:

Eddie N. Lowe, Mayor
City of Phenix City, Alabama
Date

Shannon Davis, City Clerk
City of Phenix City, Alabama
Date

Wallace B. Hunter, City Manager
City of Phenix City, Alabama
Date

THE CITY OF PHENIX CITY

CONTROL MEASURE 1 - PUBLIC EDUCATION AND PUBLIC INVOLVEMENT

Narrative Report

ACTIVITY NO.	STRATEGIES	IMPLEMENTATION STATUS FOR REPORTING PERIOD	PROPOSED EFFORTS FOR NEXT REPORTING PERIOD	SUPPORTING DOCUMENTATION	COMMENTS/CHANGES	PROPOSED CHANGES MET
1	**Stormwater Web Page:** Maintain the stormwater web page on the City's Website.	The City has updated and maintained the stormwater web page on its official website.	The City will continue maintaining and updating the stormwater webpage on its official website.	**https://phenixcityal.us/engineering-public-works/engineering/storm-water-management/**	No proposed changes at this time.	Yes
2	**Annual Report and SWMPP Availability:** Provide the SWMPP and current Annual Report for public viewing on the City's website.	The City has posted the current copy of the SWMPP and will post the 2024-2025 Annual Report on its official website for viewing once it is approved. Annual Reports from prior years are currently posted on the website.	The City will continue to provide a copy of the current SWMPP and Annual Report for public viewing on its official website.	**https://phenixcityal.us/engineering-public-works/engineering/storm-water-management/**	No proposed changes at this time.	Yes
3	**Storm Water Quarterly Newsletter:** Develop and distribute educational newsletters on the Phenix City stormwater website.	The City publishes a quarterly newsletter on the City's stormwater website on a quarterly basis.	The City will continue to publish this newsletter in order to continue informing the citizens of important topics or recent developments regarding stormwater.	**https://phenixcityal.us/engineering-public-works/engineering/storm-water-management/**	(4) Newsletters were published in 2024. They can be found in the Phenix City Stormwater Webpage.	Yes
4	**Riverwalk Cleanup:** Cleanup and maintenance of the 1.1-mile Riverwalk structure.	The Parks and Recreation Department maintains the 1.1-mile Riverwalk structure.	The Parks and Recreation Department will continue maintaining the 1.1-mile Riverwalk structure.	Amount of trash and debris are recorded in the Solid Waste quarterly report of volume. Copies of the quarterly report are available upon request.	No proposed changes at this time.	Yes
5	**Recycling Center:** Manage drop-off facilities at 1100 Airport Road and 709 12th Street	The City is currently managing both drop-off facilities.	The City will continue managing the recycling drop-off locations.	**https://phenixcityal.us/engineering- public-works/public-works-division/recycling-centers/**	In 2024 the City picked up 221,166 pounds of recycling.	Yes

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CONTROL MEASURE 2 - ILLICIT DISCHARGE DETECTION AND ELIMINATION

Narrative Report

ACTIVITY NO.	STRATEGIES	IMPLEMENTATION STATUS FOR REPORTING PERIOD	PROPOSED EFFORTS FOR NEXT REPORTING PERIOD	SUPPORTING DOCUMENTATION	COMMENTS/CHANGES	PROPOSED CHANGES MET
1	**Identify Priority Areas:** Evaluate the subwatersheds and determine the Priority Areas for the reporting period.	Priority areas have been identified.	Conduct inspections of outfalls within priority areas to detect illicit discharges should any be present.	The City has included a chart with the Illicit discharge potential for each subwatershed. The City will continue to update the chart.	No proposed changes at this time.	Yes
2	**Outfall Identification:** Implement a stream-walking program to identify outfalls and reevaluate known outfalls.	Starting in 2025 personnel from the Engineering Department will validate the Outfall Inventory and remove structures which are not outfalls.	Continue the Outfall Inventory update program.	The City will report the number of outfalls identified and The stream length walked that reporting period. All located outfalls will be added to the City's outfall location map.	No proposed changes at this time.	In progress
3	**Suspect Discharge Sampling:** Field crews will collect samples of suspected illicit discharges for laboratory analysis.	City personnel respond to calls regarding suspected illicit discharges and conduct appropriate testing to determine whether the discharge is of concern.	The City will continue sampling any suspected discharges observed during scheduled inspections.	If any suspect discharges are identified, the outfall will be sampled and the City will report the laboratory analysis results for the collected samples.	In the 2024-2025 reporting year (1) possible illicit discharge required sampling. Results for this sampling are pending as of the publishing of this report.	Yes

ACTIVITY NO.	STRATEGIES	IMPLEMENTATION STATUS FOR REPORTING PERIOD	PROPOSED EFFORTS FOR NEXT REPORTING PERIOD	SUPPORTING DOCUMENTATION	COMMENTS/CHANGES	PROPOSED CHANGES MET
4	**Discharge Investigation:** Illicit discharge investigations will be performed to determine the source of a discharge problem.	The City investigates all illicit discharges observed by city personnel or reported by the public.	The City will continue to investigate all illicit discharges and determine the source of the discharge problem.	More information related to illicit discharges can be obtained by contacting the Engineering Department.	The City responded to and investigated (4) possible illicit discharges during the 2024-2025 reporting year.	Yes
5	**Corrective Action Record Keeping:** Create a case log detailing pertinent information for each identified suspect illicit discharge or illicit connection.	The City is maintains documentation on illicit discharges investigated by city personnel and corrective actions taken.	The City will continue to maintain a case log for each identified illicit discharge or illicit connection and the corrective actions taken.	More information related to illicit discharges can be obtained by contacting the Engineering Department.	Corrective action was taken on (2) of (4) illicit discharges as of the writing of this report. The remaining (2) illicit discharges are currently under investigation as of the publishing of this report.	In progress
6	**Update Storm Water System Map - Existing Features:** Update the existing Storm Water System Map as new outfalls are identified and BMPs are added.	The City is constantly updating its existing Storm Water System Map as new outfalls are identified and as new BMPs are added.	The City will continue updating its Storm Water System Map and state whether updates were made and, if needed, provide an updated Storm Water System Map showing the features added during the reporting period.	The City will provide a current copy of the Storm Water System Map each reporting period.	(3) new outfalls were identified during the 2024-2025 reporting year.	Yes

ACTIVITY NO.	STRATEGIES	IMPLEMENTATION STATUS FOR REPORTING PERIOD	PROPOSED EFFORTS FOR NEXT REPORTING PERIOD	SUPPORTING DOCUMENTATION	COMMENTS/CHANGES	PROPOSED CHANGES MET
7	**Evaluate IDDE Ordinance:** IDDE Ordinance Chapter 10 ½ Storm Water Management was approved on February 7, 2017 and will define illicit discharges and responsibility. Evaluate the effectiveness of the Ordinance each reporting period.	The City's IDDE Ordinance 10 ½ Storm Water Management was approved and adopted on February 7th, 2017.	The City will evaluate the Ordinance to determine the effectiveness in addressing identified illicit discharges and preventing repeat offenders. The City will report the number of complaints received, number of illicit discharges identified during the reporting period, the number of resolved violations, the number of repeat offenders, and the number of enforcement actions.	If any illicit discharges are reported, the City will report the number of confirmed corrective actions that were taken during the reporting period.	(4) possible illicit discharges were investigated by the City in the 2024-2025 reporting year. (2) investigations were resolved and closed and (2) investigations are ongoing. (1) investigation resulted in court citations being issued to the offending party and (1) investigation warranted further laboratory testing.	Yes
8	**Public Reporting and Tracking:** Provide a phone number and electronic form on the Phenix City website for the public to report non-compliant construction sites, illicit discharges, impaired waters, and ordinance violations.	The City currently provides a contact number on the City's Storm Water Management webpage for the public to report non-compliant construction sites, illicit discharges (including spills or illegal dumping), impaired waterways, and violations of ordinances relating to storm water pollution:	The City will continue to provide reporting methods and provide educational materials on the storm water webpage. The City will evaluate the current public reporting and tracking methods annually to determine effectiveness of public reporting.	**https://phenixcityal.us/action-center/** **https://phenixcityal.us/engineering-public-works/engineering/storm-water-management/**	No proposed changes at this time.	Yes
9	**Municipal Training:** Train City personnel on the identification of illicit discharges, procedures for reporting illicit discharges, and prevention of storm water pollution at facilities.	The City is implementing training material for the identification of illicit discharges, procedures for reporting illicit discharges, and prevention of storm water pollution at the City's facilities.	The City continues to provide IDDE training to personnel.	The City will keep attendance records and report the number of municipal workers trained.	No proposed changes at this time.	Yes
10	**Evaluation of Monitoring Data:** Evaluate the collected monitoring data and make recommendations to add and/or modify monitoring points.	The City currently monitors four (4) locations along Mill Creek and Holland Creek. No abnormal data has been detected as of this report.	The City will continue to evaluate the effectiveness of the monitoring locations.	The City will report which monitoring points appear to have relatively higher pollutant loads. The City may add and/or modify monitoring points to better characterize discharges from the MS4.	No proposed changes at this time.	Yes

THE CITY OF PHENIX CITY

CONTROL MEASURE 3 - CONSTRUCTION SITE STORM WATER RUNOFF

Narrative Report

ACTIVITY NO.	STRATEGIES	IMPLEMENTATION STATUS FOR REPORTING PERIOD	PROPOSED EFFORTS FOR NEXT REPORTING PERIOD	SUPPORTING DOCUMENTATION	COMMENTS/CHANGES	PROPOSED CHANGES MET
1	**Erosion and Sediment Control Ordinance:** The City's Erosion and Sedimentation Control Policy gives authority for City to implement its Construction Site Storm Water Runoff Program. Evaluate the effectiveness of the Policy each reporting period.	The City has implemented and is evaluating the effectiveness of its Construction Site Storm Water Runoff Program set forth by the Erosion and Sedimentation Control Policy, adopted in Ordinance 2007-07 dated February 21, 2007.	The City will continue to implement and evaluate the effectiveness of its Construction Site Storm Water Runoff Program set forth by the Erosion and Sedimentation Control Policy, adopted in Ordinance 2007-07 dated February 21, 2007. The City will evaluate the effectiveness of the Policy during each reporting period**.** If changes are warranted, a new or revised ordinance will be approved and implemented by the City Council.	**https://phenixcityal.us/engineering-public-works/engineering/storm-water-management/**	No proposed changes at this time.	Yes
2	**Sediment and Erosion Control Plan Review:** Review Sediment and Erosion Control Plans for all permit applications.	The City currently reviews the Sediment and Erosion Control Plans for all permit applications. Plan review ensures proposed projects adequately address the City's erosion, sediment, and pollution control requirements and takes into consideration what potential impacts to water quality the project may have.	The City will continue to Review Sediment and Erosion Control Plans for all permit applications.	Copies of Sediment and Erosion Control Plans will be available upon request.	No proposed changes at this time.	Yes
3	**Construction Site Inspection Program:** Conduct inspections of qualifying construction sites within 60 days of initial disturbance, periodically during construction, and following stabilization.	Designated City personnel inspect all qualifying construction sites after initial disturbance, once a month or after each qualifying rain event (≥0.75 inches) during construction, and following stabilization.	Designated City personnel will continue to inspect all qualifying construction sites after initial disturbance, once a month or after each qualifying rain event (≥0.75 inches) during construction, and following stabilization.	Example inspection forms and permits can be found in the appendix of this report.	There are currently (7) active permitted sites in Phenix City as of the publishing of this report.	Yes

ACTIVITY NO.	STRATEGIES	IMPLEMENTATION STATUS FOR REPORTING PERIOD	PROPOSED EFFORTS FOR NEXT REPORTING PERIOD	SUPPORTING DOCUMENTATION	COMMENTS/CHANGES	PROPOSED CHANGES MET
4	**BMP Training Program:** Conduct annual training for City inspectors and reviewers.	City personnel conducting inspections of BMP's and related infrastructure currently attend annual Qualified Credentialed Inspectors (QCIs) training and storm water awareness refresher courses. QCI certifications were maintained through the approved initial and annual refresher courses.	The City will continue annual Qualified Credentialed Inspectors (QCIs) training and storm water awareness refresher courses for personnel conducting BMP inspections.	The certificates for the current Qualified Credentialed Inspectors can be found in the appendix of this report.	The City currently has (2) Qualified Credentialed Inspectors.	Yes
5	**Public Reporting and Tracking:** Provides a phone number and electronic form on website for public to report non-compliant construction sites, illicit discharges, impaired waters, and ordinance violations.	The City currently provides a phone number and electronic forms on the City's webpage for the public to report: - Non-compliant construction sites - Illicit discharges - Impaired waters - Ordinance violations.	The City will continue to provide a phone number and electronic forms on the City's webpage for the public to report: - Non-compliant construction sites - Illicit discharges - Impaired waters - Ordinance violations.	**https://phenixcityal.us/action-center/** **https://phenixcityal.us/engineering-public-works/engineering/storm-water-management/**	No proposed changes at this time.	Yes
6	**Notify ADEM of Non-Compliant Sites:** The City will notify ADEM of any construction sites where a possible violation of the Clean Water Act has occurred.	The City will notify ADEM of any construction sites where a possible violation of the Clean Water Act has occurred. 0 non-compliant construction sites were reported to ADEM.	The City will continue to notify ADEM of any construction sites where a possible violation of the Clean Water Act has occurred.	No documents to report at this time.	The City took (0) enforcement actions against non-compliant construction sites for this reporting year. All issues were addressed before enforcement action had to be taken.	Yes

THE CITY OF PHENIX CITY

CONTROL MEASURE 4 - POST-CONSTRUCTION STORM WATER MANAGEMENT

Narrative Report

ACTIVITY NO.	STRATEGIES	IMPLEMENTATION STATUS FOR REPORTING PERIOD	PROPOSED EFFORTS FOR NEXT REPORTING PERIOD	SUPPORTING DOCUMENTATION	COMMENTS/CHANGES	PROPOSED CHANGES MET
1	**Post-Construction Storm Water Management Policy:** City's Erosion and Sediment Control Policy allows the City to enforce the design and implementation of post construction storm water management BMPs. Evaluate the effectiveness of the Policy each reporting period.	The City is currently implementing Post Construction Site Storm Water Runoff Program set forth by the Erosion and Sedimentation Control Policy, adopted in Ordinance 2007-07 dated February 21, 2007.	The City will continue to implement and review the Post Construction Storm Water Runoff Program. Changes and updates will be made as necessary.	A copy of the Erosion and Sediment Control Policy is available upon request, or it can be viewed on the City's Storm Water Webpage at: **https://phenixcityal.us/engineering-public-works/engineering/storm-water-management/**	No proposed changes at this time.	Yes
2	**Long-Term Maintenance for Storm Water Controls:** The Erosion and Sediment Control Policy allows the City to ensure long-term operation and maintenance of storm water management BMPs. Evaluate the effectiveness of the Policy each reporting period.	The City currently implements the Erosion and Sediment Control Policy to ensure adequate long-term operation and maintenance of post construction storm water management BMPs.	The City will continue to implement The Erosion and Sediment Control Policy and evaluate its effectiveness each reporting period. The City is in the process of developing a post construction storm water maintenance agreement.	Copies of plans and agreements are available upon request.	No proposed changes at this time.	Yes
3	**Evaluate Obstacles to Low Impact/Green Development:** Review and evaluate policies and ordinances to identify regulatory and policy impediments to the installation of green infrastructure and low-impact development techniques.	The City does not currently evaluate, have a policy, or have an ordinance to identify regulatory and policy impediments to the installation of green infrastructure (GI) and low-impact development(LID) techniques. The City has included links to the EPA's LID guidance and the ADEM's LID Handbook for the State of Alabama.	The City will review and evaluate policies and ordinances related to building codes, or other local regulations, with a goal of identifying regulatory and policy impediments to the installation of green infrastructure and low-impact development techniques.	No documents available at this time.	No proposed changes at this time.	In progress
4	**Plan Review:** Review sediment and erosion control plans and storm water management plans for all new construction prior to approval or denial of permit application.	The City currently reviews sediment and erosion control plans and storm water management plans for all new construction prior to approval or denial of permit application.	The City will continue to review Sediment and erosion control plans and storm water management plans for all new construction prior to approval or denial of permit application.	Copies of plans are available for review upon request.	No proposed changes at this time.	Yes

ACTIVITY NO.	STRATEGIES	IMPLEMENTATION STATUS FOR REPORTING PERIOD	PROPOSED EFFORTS FOR NEXT REPORTING PERIOD	SUPPORTING DOCUMENTATION	COMMENTS/CHANGES	PROPOSED CHANGES MET
5	**Post Construction Site Inspection Program:** Inspect post-construction controls after stabilization is complete to confirm post-construction storm water measures/structures have been installed according to the submitted plan. Annually inspect each site to confirm post-construction BMPs are functioning as designed. Evaluate the effectiveness of the inspection program.	Qualified personnel currently inspect post-construction controls after stabilization is complete to confirm post-construction storm water measures/structures have been installed according to the submitted plan.	Designated personnel will continue to inspect post-construction controls after stabilization is complete to confirm post-construction storm water measures/structures have been installed according to the submitted plan.	The City will maintain inspection documentation for review upon request.	No proposed changes at this time.	Yes
6	**Post-Construction Structural Controls Inventory:** Update an inventory of post-construction structural controls including those owned by the City.	The City will compile an inventory of post-construction structural controls including those owned by the City.	The City will continue maintaining an inventory of post-construction structural controls including those owned by the City.	The City will maintain an inventory of post-construction structural controls including those owned by the City. Documents are available upon request.	No proposed changes at this time.	Yes

THE CITY OF PHENIX CITY

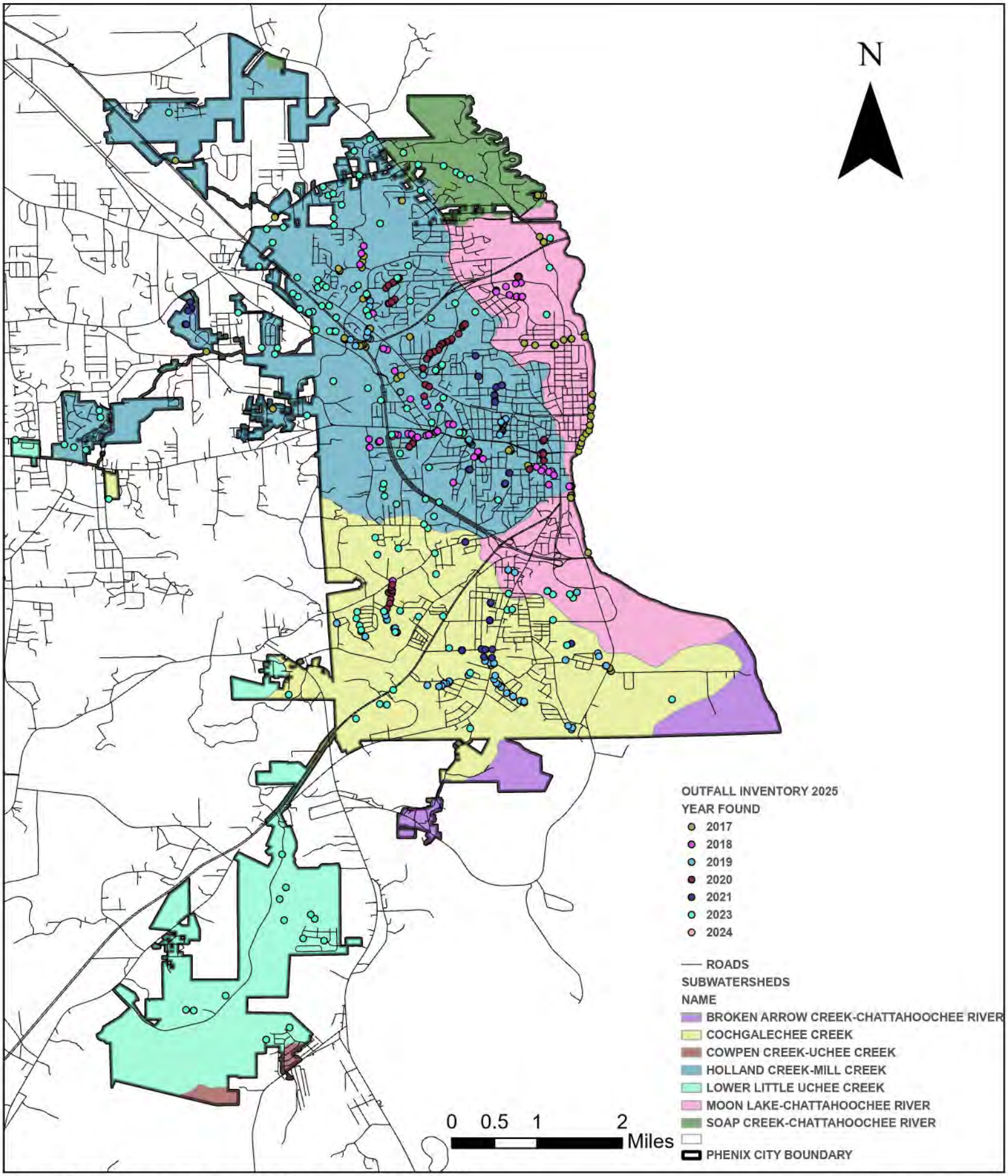
CONTROL MEASURE 5 - POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

Narrative Report

ACTIVITY NO.	STRATEGIES	IMPLEMENTATION STATUS FOR REPORTING PERIOD	PROPOSED EFFORTS FOR NEXT REPORTING PERIOD	SUPPORTING DOCUMENTATION	COMMENTS/CHANGES	PROPOSED CHANGES MET
1	**Municipal Facilities:** Maintain a list of municipal facilities that have the potential to discharge pollutants through storm water runoff. Inspect facilities for good housekeeping practices.	The City has 12 municipal facilities that have the potential to discharge pollutants through storm water runoff and inspects these facilities quarterly for good housekeeping practices. 0 Deficiencies noted for 2024-2025 report.	Continue monitoring the municipal facilities for good housekeeping and storm water pollution prevention through a municipal quarterly BMP inspection checklist.	The City has provided an example municipal quarterly BMP inspection checklist. Copies of municipal quarterly BMP inspection checklist are available upon request.	Phenix City added (1) facility to its list of Municipal Facilities during the 2024-2025 reporting year.	Yes
2	**Employee Training:** Training program for municipal employees that focuses on pollution prevention, good housekeeping, illicit discharge identification, and other threats to storm water quality.	The City developed training material for pollution prevention, good housekeeping, illicit discharge identification, and other threats to storm water quality.	Municipal training will continue per the SWMPP.	The City will keep attendance records and report the number of municipal workers trained during the reporting period. Attendance records are available upon request.	No proposed changes at this time.	In progress
3	**Vehicle Maintenance Program:** Conduct routine inspections of municipal vehicles and equipment.	The City conducts routine inspections of municipal vehicles and equipment.	Continue routine inspections of municipal vehicles and equipment.	The City's inspections of municipal vehicles and equipment is logged through PubWorks.	No proposed changes at this time.	Yes
4	**Litter and Debris Pickup Policy:** Article III, Chapter 70, Part II of the Phenix City Code of Ordinances provides the regulations for curbside collection of limbs and debris.	The City is currently providing a curbside pickup of solid waste and limbs and debris on a weekly basis.	The City will continue providing a curbside pickup of solid waste and limbs and debris on a weekly basis.	Copies of City's solid waste quarterly reports are available upon request. The City's Limb and Debris Pickup Policy can be reviewed at: **https://phenixcityal.us/engineering-public-works/public-works-division/limbs-debris/**	No proposed changes at this time.	Yes
5	**Large Item Pickup Policy:** Chapter 70, Part II of the Phenix City Code of Ordinances provides the regulations for curbside collection of miscellaneous metals, appliances, furniture, and yard waste.	The City is currently providing a curbside pickup collection of miscellaneous metals, appliances, furniture, and yard waste. In 2024 the City picked up **2,173.59** tons of solid waste.	The City will continue providing curbside pickup and collection of miscellaneous metals, appliances, furniture, and yard waste per the text in the Phenix City Code of Ordinances.	Copies of City's solid waste quarterly reports are available upon request. The City's Limb and Debris Pickup Policy can be reviewed at: **https://phenixcityal.us/engineering-public-works/public-works-division/limbs-debris/**	No proposed changes at this time.	Yes

6	**Scrap Tire and Recycling Program:** Manage drop-off facilities at 1100 Airport Road and 709 12th Street. Manage tire removal program.	The City manages a voluntary recycling program. The City offers two drop-off locations within the City. This program is advertised on the City website. The materials accepted as part of this program are provided on the website. In 2024 the City collected **110.6** tons of recyclable materials.	The City will continue to manage a voluntary recycling program. The City offers two drop-off locations within the City. This program is advertised on the City website. The materials accepted as part of this program are provided on the website as well.	**https://phenixcityal.us/engineering-public-works/public-works-division/recycling-centers/** The City maintains a Scrap Tire Receiver and Transporter permit and has applied for renewal of the Scrap Tire Facility Registration permit during the 2024- 2025 reporting year.	No proposed changes at this time.	Yes

Appendix I – Outfalls



Outfall Inventory Map (2025)

Prepared by: Sebastian Gonzalez

Outfall Count	Outfall Identifier	Year Found	Latitude	Longitude	Description	Stream
1	17.001	2017	32.520469	-85.066078	DITCH	HOLLAND CREEK
2	17.002	2017	32.510986	-85.049103	DITCH	HOLLAND CREEK
3	17.003	2017	32.510853	-85.049214	DITCH	HOLLAND CREEK
4	17.004	2017	32.501694	-85.038222	36" RCP	HOLLAND CREEK
5	17.005	2017	32.501858	-85.038172	18" RCP	HOLLAND CREEK
6	17.006	2017	32.502128	-85.038389	DITCH	HOLLAND CREEK
7	17.007	2017	32.490183	-84.998906	24" CONCRETE PIPE	UNNAMED TRIBUTARY
8	17.008	2017	32.490228	-84.998919	FLUME	UNNAMED TRIBUTARY
9	17.009	2017	32.490203	-84.998822	FLUME	UNNAMED TRIBUTARY
10	17.010	2017	32.490983	-84.996614	24" RCP	CHATAHOOCHEE RIVER
11	17.011	2017	32.490522	-84.996544	18" CONCRETE PIPE	CHATAHOOCHEE RIVER
12	17.012	2017	32.490036	-85.000164	18" CMP	UNNAMED TRIBUTARY
13	17.013	2017	32.489203	-85.001819	18" CONCRETE PIPE	UNNAMED TRIBUTARY
14	17.014	2017	32.489189	-85.001806	FLUME	UNNAMED TRIBUTARY
15	17.015	2017	32.489142	-85.001819	18" CONCRETE PIPE	UNNAMED TRIBUTARY
16	17.016	2017	32.489181	-85.001625	18" CONCRETE PIPE	UNNAMED TRIBUTARY
17	17.017	2017	32.489244	-85.001658	18" CONCRETE PIPE	UNNAMED TRIBUTARY
18	17.018	2017	32.489158	-85.005019	18" CONCRETE PIPE	UNNAMED TRIBUTARY
19	17.019	2017	32.489472	-85.006853	36" CONCRETE PIPE	UNNAMED TRIBUTARY
20	17.020	2017	32.490567	-85.026297	(2) 30" RCP	HOLLAND CREEK
21	17.021	2017	32.513681	-85.027664	42" CMP	HOLLAND CREEK
22	17.022	2017	32.513683	-85.0276	DITCH	HOLLAND CREEK
23	17.023	2017	32.503319	-85.034314	DITCH	UNNAMED TRIBUTARY
24	17.024	2017	32.50425	-85.034106	DITCH	UNNAMED TRIBUTARY
25	17.025	2017	32.502442	-85.034425	FLUME	UNNAMED TRIBUTARY
26	17.026	2017	32.502306	-85.034417	FLUME	UNNAMED TRIBUTARY
27	17.027	2017	32.47835	-85.049522	24" RCP	MILL CREEK
28	17.028	2017	32.491567	-85.042697	DITCH	MILL CREEK
29	17.029	2017	32.490244	-85.037231	DITCH	MILL CREEK
30	17.030	2017	32.49005	-85.037203	FLUME	MILL CREEK
31	17.031	2017	32.49015	-85.037392	FLUME	MILL CREEK
32	17.032	2017	32.490358	-85.037378	FLUME	MILL CREEK
33	17.033	2017	32.491778	-85.033092	DITCH	HOLLAND CREEK
34	17.034	2017	32.491928	-85.033239	FLUME	HOLLAND CREEK

35	17.035	2017	32.491981	-85.033083	DITCH	HOLLAND CREEK
36	17.036	2017	32.491917	-85.033017	DITCH	HOLLAND CREEK
37	17.037	2017	32.483475	-85.028461	24" RCP	HOLLAND CREEK
38	17.038	2017	32.483978	-85.02775	24" RCP	HOLLAND CREEK
39	17.039	2017	32.514572	-85.003631	24" RCP	CHATAHOOCHEE RIVER
40	17.040	2017	32.514514	-85.004131	24" RCP	CHATAHOOCHEE RIVER
41	17.041	2017	32.514181	-85.004756	24" RCP	CHATAHOOCHEE RIVER
42	17.042	2017	32.514525	-85.004619	DITCH	CHATAHOOCHEE RIVER
43	17.043	2017	32.514597	-85.004547	BOAT RAMP	CHATAHOOCHEE RIVER
44	17.044	2017	32.434822	-85.012436	DITCH	COCHGALECHEE CREEK
45	17.045	2017	32.488878	-85.033781	FLUME	MILL CREEK
46	17.046	2017	32.489225	-85.034119	FLUME	MILL CREEK
47	17.047	2017	32.4891	-85.034406	CURB INLET	MILL CREEK
48	17.048	2017	32.489	-85.034725	FLUME	MILL CREEK
49	17.049	2017	32.489031	-85.035522	24" CONCRETE PIPE	MILL CREEK
50	17.050	2017	32.507547	-85.004239	FLUME	CHATAHOOCHEE RIVER
51	17.051	2017	32.463653	-84.998917	24" RCP	CHATAHOOCHEE RIVER
52	17.052	2017	32.463278	-84.998956	24" CONCRETE PIPE	CHATAHOOCHEE RIVER
53	17.053	2017	32.463228	-84.998956	24" CONCRETE PIPE	CHATAHOOCHEE RIVER
54	17.054	2017	32.453925	-84.996019	DITCH	CHATAHOOCHEE RIVER
55	17.055	2017	32.433819	-84.992158	30" CONCRETE PIPE	COCHGALECHEE CREEK
56	17.056	2017	32.433825	-84.992125	24" RCP	COCHGALECHEE CREEK
57	17.057	2017	32.434311	-84.992367	24" CMP	COCHGALECHEE CREEK
58	17.058	2017	32.434333	-84.99235	24" CMP	COCHGALECHEE CREEK
59	17.059	2017	32.471136	-84.997647	18" RCP	CHATAHOOCHEE RIVER
60	17.060	2017	32.472006	-84.997347	15" RCP	CHATAHOOCHEE RIVER
61	17.061	2017	32.472525	-84.997186	12" RCP	CHATAHOOCHEE RIVER
62	17.062	2017	32.473381	-84.996956	36" RCP	CHATAHOOCHEE RIVER
63	17.063	2017	32.474194	-84.996297	24" RCP	CHATAHOOCHEE RIVER
64	17.064	2017	32.474103	-84.996383	36" RCP	CHATAHOOCHEE RIVER
65	17.065	2017	32.474642	-84.995864	36" RCP	CHATAHOOCHEE RIVER
66	17.066	2017	32.475569	-84.995711	18" RCP	CHATAHOOCHEE RIVER
67	17.067	2017	32.477058	-84.995553	24" CMP	CHATAHOOCHEE RIVER
68	17.068	2017	32.478169	-84.995558	24" CMP	CHATAHOOCHEE RIVER
69	17.069	2017	32.478622	-84.995336	FLUME	CHATAHOOCHEE RIVER

70	17.070	2017	32.480781	-84.995283	18" CMP	CHATAHOOCHEE RIVER
71	17.071	2017	32.506703	-85.003631	48" RCP	UNNAMED TRIBUTARY
72	17.072	2017	32.506625	-85.003536	12' CULVERT	UNNAMED TRIBUTARY
73	17.073	2017	32.497017	-85.034225	MONITORING LOCATION 1	HOLLAND CREEK
74	17.074	2017	32.468581	-85.006019	18" RCP	HOLLAND "MILL" CREEK
75	17.075	2017	32.468711	-85.006247	18" RCP	HOLLAND "MILL" CREEK
76	17.076	2017	32.471231	-85.009125	18" RCP	HOLLAND "MILL" CREEK
77	17.077	2017	32.471453	-85.009214	24" CLAY PIPE	HOLLAND "MILL" CREEK
78	17.078	2017	32.471256	-85.009506	24" RCP	HOLLAND "MILL" CREEK
79	17.079	2017	32.48805	-85.060822	MONITORING LOCATION 3	MILL CREEK
80	17.080	2017	32.465211	-84.998792	DITCH	HOLLAND "MILL" CREEK
81	17.081	2017	32.465214	-84.998992	DITCH	HOLLAND "MILL" CREEK
82	18.001	2018	32.465179	-84.999224	FLUME	HOLLAND "MILL" CREEK
83	18.002	2018	32.465481	-85.002677	24" CONCRETE PIPE	HOLLAND "MILL" CREEK
84	18.003	2018	32.46765	-85.00213	36" CONCRETE PIPE	HOLLAND "MILL" CREEK
85	18.004	2018	32.46774	-85.002221	4" PVC PIPE	HOLLAND "MILL" CREEK
86	18.005	2018	32.467769	-85.002291	36" CONCRETE PIPE	HOLLAND "MILL" CREEK
87	18.006	2018	32.46829	-85.00357	96" CMP	HOLLAND "MILL" CREEK
88	18.007	2018	32.467601	-85.002677	FLUME	HOLLAND "MILL" CREEK
89	18.008	2018	32.44909	-85.029244	24" RCP	UNNAMED TRIBUTARY
90	18.009	2018	32.46781	-85.003965	DITCH	HOLLAND "MILL" CREEK
91	18.010	2018	32.46847	-85.004785	24" CONCRETE PIPE	HOLLAND "MILL" CREEK
92	18.011	2018	32.449133	-85.029175	DITCH	UNNAMED TRIBUTARY
93	18.012	2018	32.4707	-85.00404	24" CONCRETE PIPE	HOLLAND "MILL" CREEK
94	18.013	2018	32.470321	-85.015066	DRAIN INLET	UNNAMED TRIBUTARY
95	18.014	2018	32.47032	-85.01506	6" PIPE	UNNAMED TRIBUTARY
96	18.015	2018	32.47025	-85.0152	6" PIPE	UNNAMED TRIBUTARY
97	18.016	2018	32.47025	-85.015195	DRAIN INLET	UNNAMED TRIBUTARY
98	18.017	2018	32.47014	-85.01538	24" CONCRETE PIPE	UNNAMED TRIBUTARY
99	18.018	2018	32.47101	-85.014691	DRAIN INLET	UNNAMED TRIBUTARY
100	18.019	2018	32.47109	-85.01463	24" CONCRETE PIPE	UNNAMED TRIBUTARY
101	18.020	2018	32.471067	-85.014614	DRAIN INLET	UNNAMED TRIBUTARY
102	18.021	2018	32.471069	-85.014723	24" CONCRETE PIPE	UNNAMED TRIBUTARY
103	18.022	2018	32.46984	-85.01392	24" CONCRETE PIPE	UNNAMED TRIBUTARY
104	18.023	2018	32.46985	-85.01385	24" CONCRETE PIPE	UNNAMED TRIBUTARY

105	18.024	2018	32.488361	-85.030111	DITCH/TRIBUTARY CREEK	HOLLAND "MILL" CREEK
106	18.025	2018	32.479991	-85.02619	15" RCP	HOLLAND "MILL" CREEK
107	18.026	2018	32.47885	-85.023311	36" CMP	HOLLAND "MILL" CREEK
108	18.027	2018	32.47872	-85.021264	FLUME	HOLLAND "MILL" CREEK
109	18.028	2018	32.474402	-85.017163	24" RCP	HOLLAND "MILL" CREEK
110	18.029	2018	32.467072	-85.001814	MONITORING LOCATION 2	HOLLAND "MILL" CREEK
111	18.030	2018	32.488556	-85.030772	MONITORING LOCATION 4	HOLLAND/MILL CREEK
112	18.031	2018	32.484768	-85.028844	24" RCP	HOLLAND "MILL" CREEK
113	18.032	2018	32.473952	-85.026133	FLUME	UNNAMED TRIBUTARY
114	18.033	2018	32.473971	-85.0261	FLUME	UNNAMED TRIBUTARY
115	18.034	2018	32.473942	-85.026083	18" RCP	UNNAMED TRIBUTARY
116	18.035	2018	32.474101	-85.0261	30" RCP	UNNAMED TRIBUTARY
117	18.036	2018	32.474112	-85.026587	18" CMP	UNNAMED TRIBUTARY
118	18.037	2018	32.473904	-85.028302	14" HDP	UNNAMED TRIBUTARY
119	18.038	2018	32.474009	-85.028801	12" RCP	UNNAMED TRIBUTARY
120	18.039	2018	32.472869	-85.031381	16" CMP	UNNAMED TRIBUTARY
121	18.040	2018	32.472714	-85.031582	36"CMP	UNNAMED TRIBUTARY
122	18.041	2018	32.47401	-85.025948	FLUME	UNNAMED TRIBUTARY
123	18.042	2018	32.472453	-85.025778	FLUME	UNNAMED TRIBUTARY
124	18.043	2018	32.472633	-85.02574	FLUME	UNNAMED TRIBUTARY
125	18.044	2018	32.473367	-85.025262	18" CONCRETE PIPE	UNNAMED TRIBUTARY
126	18.045	2018	32.47352	-85.024956	FLUME	UNNAMED TRIBUTARY
127	18.046	2018	32.47383	-85.023483	48" CMP	UNNAMED TRIBUTARY
128	18.047	2018	32.473921	-85.023044	4" CLAY	UNNAMED TRIBUTARY
129	18.048	2018	32.474367	-85.021936	18" RCP	UNNAMED TRIBUTARY
130	18.049	2018	32.474349	-85.021855	18" RCP	UNNAMED TRIBUTARY
131	18.050	2018	32.474578	-85.021562	18" RCP	UNNAMED TRIBUTARY
132	18.051	2018	32.474551	-85.021583	18" RCP	UNNAMED TRIBUTARY
133	18.052	2018	32.475708	-85.019699	18" RCP	UNNAMED TRIBUTARY
134	18.053	2018	32.475652	-85.018919	24" CMP	UNNAMED TRIBUTARY
135	18.054	2018	32.47368	-85.029251	24" RCP	UNNAMED TRIBUTARY
136	18.055	2018	32.47183	-85.033148	18" RCP	UNNAMED TRIBUTARY
137	18.056	2018	32.471806	-85.033098	18" RCP	UNNAMED TRIBUTARY
138	18.057	2018	32.473182	-85.033211	18" RCP	UNNAMED TRIBUTARY
139	18.058	2018	32.505976	-85.03412	18" RCP	UNNAMED TRIBUTARY

140	18.059	2018	32.504709	-85.034496	18" RCP	UNNAMED TRIBUTARY
141	18.060	2018	32.502828	-85.034726	18" RCP	UNNAMED TRIBUTARY
142	18.061	2018	32.49624	-85.02988	FLUME	UNNAMED TRIBUTARY
143	18.062	2018	32.496188	-85.029909	24" RCP	UNNAMED TRIBUTARY
144	18.063	2018	32.496221	-85.029904	24" RCP	UNNAMED TRIBUTARY
145	18.064	2018	32.496283	-85.029734	FLUME	UNNAMED TRIBUTARY
146	18.065	2018	32.494506	-85.032526	24" RCP	UNNAMED TRIBUTARY
147	18.066	2018	32.46582	-85.018912	FLUME	UNNAMED TRIBUTARY
148	18.067	2018	32.499732	-85.007409	12" RCP	MOON LAKE
149	18.068	2018	32.49958	-85.008303	12" RCP	MOON LAKE
150	18.069	2018	32.499079	-85.009969	24" RCP	MOON LAKE
151	18.060	2018	32.498448	-85.011602	24" RCP	MOON LAKE
152	18.061	2018	32.498241	-85.011692	36" RCP	MOON LAKE
153	18.062	2018	32.498205	-85.011667	36" RCP	MOON LAKE
154	18.063	2018	32.49818	-85.011624	12" RCP	MOON LAKE
155	18.064	2018	32.497676	-85.009379	24" RCP	MOON LAKE
156	18.065	2018	32.497415	-85.008152	24" RCP	MOON LAKE
157	18.066	2018	32.497319	-85.007304	15" RCP	MOON LAKE
158	18.067	2018	32.497367	-85.007185	24" RCP	MOON LAKE/OUTFALL
159	18.068	2018	32.472849	-85.031361	16" CONCRETE PIPE	UNNAMED TRIBUTARY
160	19.001	2019	32.49865891	-85.03586509	Ditch	HOLLAND CREEK
161	19.002	2019	32.49664992	-85.0330316	48 RCP	Holland Creek
162	19.003	2019	32.49571366	-85.03311511	36 RCP	Holland Creek
163	19.004	2019	32.49490855	-85.03364684	18 HDP	Holland Creek
164	19.005	2019	32.49022623	-85.03299017	FLUME	Holland Creek
165	19.006	2019	32.49035654	-85.03333702	FLUME	Holland Creek
166	19.007	2019	32.49059125	-85.03359315	FLUME	Holland Creek
167	19.008	2019	32.4913782	-85.03344736	36 CMP	Holland Creek
168	19.009	2019	32.4914989	-85.03921298	DITCH	Mill Creek
169	19.010	2019	32.49009708	-85.03633599	DITCH	Mill Creek
170	19.011	2019	32.48904797	-85.03549673	72 RCP	Mill Creek
171	19.012	2019	32.47943262	-85.02369329	42 RCP	Mill Creek
172	19.013	2019	32.48122995	-85.02786756	48 RCP	Mill Creek
173	19.014	2019	32.47226252	-85.01578049	24 RCP	Mill Creek
174	19.015	2019	32.47256831	-85.01601349	DITCH	Mill Creek

175	19.016	2019	32.47280701	-85.01621286	24 RCP	Mill Creek
176	19.017	2019	32.47298665	-85.01640466	24 CMP	Mill Creek
177	19.018	2019	32.47303972	-85.01633918	24 RCP	Mill Creek
178	19.019	2019	32.47310562	-85.01625105	24 RCP	Mill Creek
179	19.020	2019	32.47310562	-85.01625105	24 RCP	Mill Creek
180	19.021	2019	32.43474304	-84.99303333	24 RCP	UNNAMED TRIBUTARY
181	19.022	2019	32.43474531	-84.99293577	DITCH	UNNAMED TRIBUTARY
182	19.023	2019	32.43686441	-84.99436772	24 RCP	UNNAMED TRIBUTARY
183	19.024	2019	32.43633699	-84.99419821	24 RCP	UNNAMED TRIBUTARY
184	19.025	2019	32.43571091	-84.99984354	24 RCP	UNNAMED TRIBUTARY
185	19.026	2019	32.44045367	-85.02876865	18 RCP	UNNAMED TRIBUTARY
186	19.027	2019	32.44107876	-85.02897045	18 RCP	UNNAMED TRIBUTARY
187	19.028	2019	32.44113014	-85.02875656	18 RCP	UNNAMED TRIBUTARY
188	19.029	2019	32.44250337	-85.03022242	18 RCP	UNNAMED TRIBUTARY
189	19.030	2019	32.44253696	-85.03012761	18 RCP	UNNAMED TRIBUTARY
190	19.031	2019	32.4403994	-85.02843632	18 RCP	UNNAMED TRIBUTARY
191	19.032	2019	32.44363542	-85.03045084	24 RCP	UNNAMED TRIBUTARY
192	19.033	2019	32.44328606	-85.03039366	DITCH	UNNAMED TRIBUTARY
193	19.034	2019	32.43522404	-85.01264074	DITCH	Cochgalechee Creek
194	19.035	2019	32.43554795	-85.01351972	18 RCP	Cochgalechee Creek
195	19.036	2019	32.42878901	-85.00752631	18 RCP	Cochgalechee Creek
196	19.037	2019	32.42850531	-85.00686532	30 RCP	Cochgalechee Creek
197	19.038	2019	32.42944652	-85.00872468	18 RCP	Cochgalechee Creek
198	19.039	2019	32.42953679	-85.00873659	18 RCP	Cochgalechee Creek
199	19.040	2019	32.43009489	-85.00983267	18 CMP	Cochgalechee Creek
200	19.041	2019	32.43127858	-85.01078734	12 RCP	Cochgalechee Creek
201	19.042	2019	32.43107826	-85.01077889	18 RCP	Cochgalechee Creek
202	19.043	2019	32.4316195	-85.01131754	18 RCP	Cochgalechee Creek
203	19.044	2019	32.4318114	-85.0116143	12 CMP	Cochgalechee Creek
204	19.045	2019	32.43243256	-85.01199774	DITCH	Cochgalechee Creek
205	19.046	2019	32.43306815	-85.01180224	18 RCP	Cochgalechee Creek
206	19.047	2019	32.43506242	-85.01199441	FLUME	Cochgalechee Creek
207	19.048	2019	32.43517665	-85.01201245	FLUME	Cochgalechee Creek
208	19.049	2019	32.43345574	-85.01613025	14 RCP	UNNAMED TRIBUTARY
209	19.050	2019	32.43315805	-85.0163284	18 RCP	UNNAMED TRIBUTARY

210	19.051	2019	32.43206287	-85.01955752	24 RCP	UNNAMED TRIBUTARY
211	19.052	2019	32.4320255	-85.01964334	FLUME	UNNAMED TRIBUTARY
212	19.053	2019	32.48414234	-85.02403689	FLUME	UNNAMED TRIBUTARY
213	19.054	2019	32.48404498	-85.024022	18 RCP	UNNAMED TRIBUTARY
214	19.055	2019	32.43353729	-85.01605898	FLUME	UNNAMED TRIBUTARY
215	19.056	2019	32.43211227	-85.01962905	FLUME	UNNAMED TRIBUTARY
216	19.057	2019	32.431728	-85.02010826	DITCH	UNNAMED TRIBUTARY
217	19.058	2019	32.43170462	-85.02050713	18 RCP	UNNAMED TRIBUTARY
218	19.059	2019	32.43130444	-85.02088438	30 CMP	UNNAMED TRIBUTARY
219	19.060	2019	32.43122369	-85.02133324	24 RCP	UNNAMED TRIBUTARY
220	19.061	2019	32.43143354	-85.023319	14 RCP	UNNAMED TRIBUTARY
221	19.062	2019	32.43143354	-85.02331899	24 RCP	UNNAMED TRIBUTARY
222	19.063	2019	32.52411532	-85.03303652	24 RCP	UNNAMED TRIBUTARY
223	19.064	2019	32.48480851	-85.02183276	24 RCP	UNNAMED TRIBUTARY
224	19.065	2019	32.485566	-85.02097247	24 RCP	UNNAMED TRIBUTARY
225	19.066	2019	32.44194501	-85.03868862	FLUME	UNNAMED TRIBUTARY
226	19.067	2019	32.4405552	-85.0345544	DITCH	Cochgalechee Creek
227	19.068	2019	32.43970184	-85.03384835	24 RCP	Cochgalechee Creek
228	19.069	2019	32.47660328	-85.01013581	14 RCP	UNNAMED TRIBUTARY
229	19.070	2019	32.47660127	-85.00998061	18 RCP	UNNAMED TRIBUTARY
230	19.071	2019	32.47663312	-85.00998834	FLUME	UNNAMED TRIBUTARY
231	19.072	2019	32.47558833	-85.0104764	INLET	UNNAMED TRIBUTARY
232	19.073	2019	32.47567819	-85.01047091	INLET	UNNAMED TRIBUTARY
233	19.074	2019	32.47595312	-85.01071082	INLET	UNNAMED TRIBUTARY
234	19.075	2019	32.47612049	-85.01079991	INLET	UNNAMED TRIBUTARY
235	19.076	2019	32.47467384	-85.01053067	INLET	UNNAMED TRIBUTARY
236	19.077	2019	32.47458474	-85.01058306	INLET	UNNAMED TRIBUTARY
237	19.078	2019	32.4743495	-85.01076826	INLET	UNNAMED TRIBUTARY
238	19.079	2019	32.47415965	-85.01094116	INLET	UNNAMED TRIBUTARY
239	19.080	2019	32.47391695	-85.01101489	INLET	UNNAMED TRIBUTARY
240	19.081	2019	32.44720176	-84.99792356	DITCH	UNNAMED TRIBUTARY
241	19.082	2019	32.45094475	-85.00957482	18 RCP	UNNAMED TRIBUTARY
242	19.083	2019	32.45101247	-85.00957167	24 RCP	UNNAMED TRIBUTARY
243	19.084	2019	32.45057447	-85.00845426	24 RCP	UNNAMED TRIBUTARY
244	19.085	2019	32.42390737	-84.9988396	18 RCP	UNNAMED TRIBUTARY

245	19.086	2019	32.42422819	-84.99868284	14 RCP	UNNAMED TRIBUTARY
246	19.087	2019	32.42454634	-84.99941428	24 CMP	UNNAMED TRIBUTARY
247	19.088	2019	32.42868139	-85.0068852	36 CMP	Cochgalechee Creek
248	20.001	2020	32.49882846	-85.03032223	18 RCP	UNNAMED TRIBUTARY
249	20.002	2020	32.50007636	-85.02868193	INLET	UNNAMED TRIBUTARY
250	20.003	2020	32.50000166	-85.02875646	INLET	UNNAMED TRIBUTARY
251	20.004	2020	32.49985698	-85.02896942	INLET	UNNAMED TRIBUTARY
252	20.005	2020	32.49976678	-85.02917599	FLUME	UNNAMED TRIBUTARY
253	20.006	2020	32.5005637	-85.02810923	20 RCP	UNNAMED TRIBUTARY
254	20.007	2020	32.50054706	-85.02815588	SPILLWAY	UNNAMED TRIBUTARY
255	20.008	2020	32.4804813	-85.02384393	12 RCP	Holland Creek
256	20.009	2020	32.48243971	-85.02365238	24 RCP	UNNAMED TRIBUTARY
257	20.010	2020	32.48210643	-85.02299707	24 RCP	UNNAMED TRIBUTARY
258	20.011	2020	32.49670636	-85.02899251	INLET	UNNAMED TRIBUTARY
259	20.012	2020	32.49690399	-85.02884787	INLET	UNNAMED TRIBUTARY
260	20.013	2020	32.49645289	-85.02941067	14 RCP	UNNAMED TRIBUTARY
261	20.014	2020	32.49930854	-85.02989502	24 RCP	UNNAMED TRIBUTARY
262	20.015	2020	32.4975168	-85.03347698	24 RCP	Holland Creek
263	20.016	2020	32.49788341	-85.03363616	18 RCP	Holland Creek
264	20.017	2020	32.44601699	-85.02954298	10IN STEEL	Cochgalechee Creek
265	20.018	2020	32.44528656	-85.02970151	18 RCP	Cochgalechee Creek
266	20.019	2020	32.44442396	-85.03016957	24 RCP	Cochgalechee Creek
267	20.020	2020	32.44703252	-85.02934251	18 RCP	Cochgalechee Creek
268	20.021	2020	32.44718142	-85.02989779	15 RCP	Cochgalechee Creek
269	20.022	2020	32.44751009	-85.02949683	FLUME	Cochgalechee Creek
270	20.023	2020	32.44756293	-85.02927527	FLUME	Cochgalechee Creek
271	20.024	2020	32.44804479	-85.02937773	6IN PVC	Cochgalechee Creek
272	20.025	2020	32.44849653	-85.029255	18 RCP	Cochgalechee Creek
273	20.026	2020	32.47239785	-85.02579807	18 RCP	UNNAMED TRIBUTARY
274	20.027	2020	32.4718911	-85.02638215	24 RCP	UNNAMED TRIBUTARY
275	20.028	2020	32.46808488	-85.0059512	20 HDPE	Mill Creek
276	20.029	2020	32.46951549	-85.00351542	18 RCP	UNNAMED TRIBUTARY
277	20.030	2020	32.47092837	-85.00367004	INLET	UNNAMED TRIBUTARY
278	20.031	2020	32.4728778	-85.00366272	24 CLAY	UNNAMED TRIBUTARY
279	20.032	2020	32.47311869	-85.00351596	FLUME	UNNAMED TRIBUTARY

280	20.033	2020	32.47066133	-85.00361803	INLET	UNNAMED TRIBUTARY
281	20.034	2020	32.48990308	-85.01936099	FLUME	UNNAMED TRIBUTARY
282	20.035	2020	32.48993857	-85.01935475	36 RCP	UNNAMED TRIBUTARY
283	20.036	2020	32.49019026	-85.01916204	42 RCP	UNNAMED TRIBUTARY
284	20.037	2020	32.49107255	-85.01799938	24IN STEEL	UNNAMED TRIBUTARY
285	20.038	2020	32.4922149	-85.01737385	30 RCP	UNNAMED TRIBUTARY
286	20.039	2020	32.49246951	-85.0171959	70 RCP	UNNAMED TRIBUTARY
287	20.040	2020	32.49274838	-85.01693394	16 RCP	UNNAMED TRIBUTARY
288	20.041	2020	32.49268448	-85.01690804	70 RCP	UNNAMED TRIBUTARY
289	20.042	2020	32.48970667	-85.02000788	FLUME	UNNAMED TRIBUTARY
290	20.043	2020	32.48943844	-85.02065053	24 HDPE	UNNAMED TRIBUTARY
291	20.044	2020	32.48938479	-85.02089399	18 RCP	UNNAMED TRIBUTARY
292	20.045	2020	32.48889004	-85.02122555	18 RCP	UNNAMED TRIBUTARY
293	20.046	2020	32.48833377	-85.02144009	FLUME	UNNAMED TRIBUTARY
294	20.047	2020	32.48799253	-85.02221597	FLUME	UNNAMED TRIBUTARY
295	20.048	2020	32.48742961	-85.02293508	FLUME	UNNAMED TRIBUTARY
296	20.049	2020	32.48693043	-85.02329257	24 RCP	UNNAMED TRIBUTARY
297	20.050	2020	32.48779613	-85.02291021	14 RCP	UNNAMED TRIBUTARY
298	20.051	2020	32.48777914	-85.02289192	24 RCP	UNNAMED TRIBUTARY
299	20.052	2020	32.48681088	-85.02341787	18 RCP	UNNAMED TRIBUTARY
300	20.053	2020	32.48526554	-85.02405553	36 RCP	UNNAMED TRIBUTARY
301	20.054	2020	32.50072654	-85.00781946	FLUME	UNNAMED TRIBUTARY
302	20.055	2020	32.50079658	-85.00775567	FLUME	UNNAMED TRIBUTARY
303	20.056	2020	32.50081976	-85.00796452	FLUME	UNNAMED TRIBUTARY
304	20.057	2020	32.50072189	-85.00789599	FLUME	UNNAMED TRIBUTARY
305	21.001	2021	32.44744576	-85.00284842	14RCP	UNNAMED TRIBUTARY
306	21.002	2021	32.43622711	-85.01371068	24HDPE	UNNAMED TRIBUTARY
307	21.003	2021	32.4375283	-85.01407368	18RCP	UNNAMED TRIBUTARY
308	21.004	2021	32.43756022	-85.01414297	FLUME	UNNAMED TRIBUTARY
309	21.005	2021	32.43751933	-85.01228392	18RCP	UNNAMED TRIBUTARY
310	21.006	2021	32.43748774	-85.01342513	INLET	UNNAMED TRIBUTARY
311	21.007	2021	32.44543343	-85.01258925	INLET	UNNAMED TRIBUTARY
312	21.008	2021	32.44542526	-85.012521	INLET	UNNAMED TRIBUTARY
313	21.009	2021	32.44239615	-85.01270692	INLET	UNNAMED TRIBUTARY
314	21.010	2021	32.44246669	-85.01272965	FLUME	UNNAMED TRIBUTARY

315	21.011	2021	32.43609241	-85.01235113	14RCP	UNNAMED TRIBUTARY
316	21.012	2021	32.43849137	-84.99885916	18CMP	UNNAMED TRIBUTARY
317	21.013	2021	32.48384305	-85.01469085	24RCP	UNNAMED TRIBUTARY
318	21.014	2021	32.48383181	-85.01462517	INLET	UNNAMED TRIBUTARY
319	21.015	2021	32.48734912	-85.01513092	18RCP	UNNAMED TRIBUTARY
320	21.016	2021	32.48202867	-85.01159297	INLET	UNNAMED TRIBUTARY
321	21.017	2021	32.48196764	-85.0116402	INLET	UNNAMED TRIBUTARY
322	21.018	2021	32.48232671	-85.01060099	36RCP	UNNAMED TRIBUTARY
323	21.019	2021	32.48232669	-85.01069066	36RCP	UNNAMED TRIBUTARY
324	21.020	2021	32.46799572	-85.01614038	INLET	UNNAMED TRIBUTARY
325	21.021	2021	32.4680617	-85.01612826	INLET	UNNAMED TRIBUTARY
326	21.022	2021	32.48070145	-85.01194062	16RCP	UNNAMED TRIBUTARY
327	21.023	2021	32.4807124	-85.01190244	18RCP	UNNAMED TRIBUTARY
328	21.024	2021	32.4806199	-85.01193864	18RCP	UNNAMED TRIBUTARY
329	21.025	2021	32.47964945	-85.01182603	INLET	UNNAMED TRIBUTARY
330	21.026	2021	32.4794941	-85.01183426	16CMP	UNNAMED TRIBUTARY
331	21.027	2021	32.49647385	-85.06351463	18RCP	UNNAMED TRIBUTARY
332	21.028	2021	32.49537651	-85.06337463	36RCP	UNNAMED TRIBUTARY
333	21.029	2021	32.49499036	-85.06394886	24RCP	UNNAMED TRIBUTARY
334	21.030	2021	32.49268859	-85.06440922	30RCP	UNNAMED TRIBUTARY
335	21.031	2021	32.4926694	-85.06422306	48RCP	UNNAMED TRIBUTARY
336	21.032	2021	32.45575252	-85.01687643	FLUME	UNNAMED TRIBUTARY
337	21.033	2021	32.45573923	-85.01685882	24RCP	UNNAMED TRIBUTARY
338	21.034	2021	32.46746547	-85.00945956	INLET	UNNAMED TRIBUTARY
339	21.035	2021	32.46746479	-85.00935996	FLUME	UNNAMED TRIBUTARY
340	21.036	2021	32.46556645	-85.01017262	INLET	UNNAMED TRIBUTARY
341	21.037	2021	32.46568903	-85.01012066	INLET	UNNAMED TRIBUTARY
342	21.038	2021	32.46568132	-85.01009587	INLET	UNNAMED TRIBUTARY
343	21.039	2021	32.43738036	-85.01749009	24RCP	UNNAMED TRIBUTARY
344	21.040	2021	32.43739417	-85.0174074	18RCP	UNNAMED TRIBUTARY
345	21.041	2021	32.43730881	-85.01740887	18RCP	UNNAMED TRIBUTARY
346	23.133	2023	32.522094	-85.035721	18HDPE	Unnamed Trib. To Holland
347	23.001	2023	32.4027239	-85.0479691		Sevenmile Creek
348	23.002	2023	32.3971094	-85.0473255		Tributary to Sevenmile Creek
349	23.003	2023	32.3951389	-85.0483765		Tributary to Sevenmile Creek

350	23.004	2023	32.4335379	-85.0160204		Tributary to Cochgalechee Creek
351	23.005	2023	32.4950433	-85.0336501		Holland Creek
352	23.006	2023	32.5179711	-85.0348638		Tributary to Holland Creek
353	23.007	2023	32.4802342	-85.0205971		Tributary to Mill Creek
354	23.008	2023	32.429838	-85.046844		Cochgalechee Creek
355	23.009	2023	32.4546575	-85.0282234		Tributary to Cochgalechee Creek
356	23.010	2023	32.4830409	-85.0392729		Tributary to Mill Creek
357	23.011	2023	32.4978137	-85.0336268		Holland Creek
358	23.012	2023	32.4707757	-85.0279433		Tributary to Mill Creek
359	23.013	2023	32.4282464	-85.0313776		Tributary to Cochgalechee Creek
360	23.014	2023	32.4470055	-85.0095175		Tributary to Chattahoochee River
361	23.015	2023	32.4947882	-85.0151735		Tributary to Mill Creek
362	23.016	2023	32.3787385	-85.0575658		Tributary to Sevenmile Creek
363	23.017	2023	32.5005645	-85.0284177		Holland Creek
364	23.018	2023	32.4306335	-85.0290928		Tributary to Cochgalechee Creek
365	23.019	2023	32.5025037	-85.0518825		Tributary to Mill Creek
366	23.020	2023	32.4648441	-85.0308915		Tributary to Mill Creek
367	23.021	2023	32.4427551	-85.0353609		cochgalechee Creek
368	23.022	2023	32.4415701	-85.0348143		Cochgalechee Creek
369	23.023	2023	32.4408004	-85.0345491		Cochgalechee Creek
370	23.024	2023	32.4742168	-85.0172684		Mill Creek
371	23.025	2023	32.4431556	-85.0206341		Tributary to Cochgalechee Creek
372	23.026	2023	32.4886963	-85.0514082		Mill Creek
373	23.027	2023	32.4886897	-85.0487562		Mill Creek
374	23.028	2023	32.4625089	-85.0212895		Tributary to Mill Creek
375	23.029	2023	32.4938501	-85.0387938		Holland Creek
376	23.030	2023	32.4948333	-85.0427905		Mill Creek
377	23.031	2023	32.5198029	-85.0248657		Tributary to Chattahoochee River
378	23.032	2023	32.5195701	-85.0205507		Tributary to Chattahoochee River
379	23.033	2023	32.5185072	-85.0184058		Tributary to Chattahoochee River
380	23.034	2023	32.5180666	-85.0176782		Tributary to Chattahoochee River
381	23.035	2023	32.4442132	-85.0097458		Tributary to Cochgalechee Creek
382	23.036	2023	32.444297	-85.008901		Tributary to Cochgalechee Creek
383	23.037	2023	32.493742	-85.022681		Tributary to Mill Creek
384	23.038	2023	32.465617	-85.030722		Tributary to Mill Creek

385	23.039	2023	32.494654	-85.055404		Tributary to Mill Creek
386	23.040	2023	32.484881	-85.021917		Tributary to Mill Creek
387	23.041	2023	32.44625	-84.998565		Tributary to Chattahoochee River
388	23.042	2023	32.446885	-84.99912		Tributary to Chattahoochee River
389	23.043	2023	32.446839	-85.00198		Tributary to Chattahoochee River
390	23.044	2023	32.447404	-85.002929		Tributary to Chattahoochee River
391	23.045	2023	32.506563	-85.049603		Tributary to Holland Creek
392	23.046	2023	32.391553	-85.047629		Sevenmile Creek
393	23.047	2023	32.425755	-85.035415		Tributary to Cochgalechee Creek
394	23.048	2023	32.496287	-85.018581		Tributary to Mill Creek
395	23.049	2023	32.463027	-85.023621		Tributary to Mill Creek
396	23.050	2023	32.450297	-85.021844		Tributary to Cochgalechee Creek
397	23.051	2023	32.472274	-85.084933		Tributary to Mill Creek
398	23.052	2023	32.473103	-85.09324		Tributary to Little Uchee Creek
399	23.053	2023	32.499315	-85.035108		Holland Creek
400	23.054	2023	32.509784	-85.031323		Tributary to Holland Creek
401	23.055	2023	32.478439	-85.021402		Mill Creek
402	23.056	2023	32.476017	-85.022571		Tributary to Mill Creek
403	23.057	2023	32.424104	-85.016031		Tributary to Cochgalechee Creek
404	23.058	2023	32.462875	-85.011301		Tributary to Mill Creek
405	23.059	2023	32.458075	-85.02324		Tributary to Cochgalechee Creek
406	23.060	2023	32.497384	-85.045315		Tributary to Mill Creek
407	23.061	2023	32.478044	-85.078987		Tributary to Mill Creek
408	23.062	2023	32.476895	-85.078811		Tributary to Mill Creek
409	23.063	2023	32.38808	-85.040835		Tributary to Sevenmile Creek
410	23.064	2023	32.388461	-85.044402		Tributary to Sevenmile Creek
411	23.065	2023	32.391785	-85.042431		Tributary to Sevenmile Creek
412	23.066	2023	32.392521	-85.043096		Tributary to Sevenmile Creek
413	23.067	2023	32.496662	-85.026229		Tributary to Holland Creek
414	23.068	2023	32.453585	-85.03179		Tributary to Cochgalechee Creek
415	23.069	2023	32.474308	-85.017848		Tributary to Mill Creek
416	23.070	2023	32.4382303	-84.9996028		Tributary to Cochgalechee Creek
417	23.071	2023	32.3763369	-85.0642896		Tributary to Sevenmile Creek
418	23.072	2023	32.3762321	-85.0629811		Tributary to Sevenmile Creek
419	23.073	2023	32.4946881	-85.0434182		Tributary to Mill Creek

420	23.074	2023	32.4952777	-85.0449751		Tributary to Mill Creek
421	23.075	2023	32.4818283	-85.0333961		Tributary to Mill Creek
422	23.076	2023	32.4797797	-85.0311945		Tributary to Mill Creek
423	23.077	2023	32.5217826	-85.0273676		Tributary to Chattahoochee River
424	23.078	2023	32.4917268	-85.0422403		Mill Creek
425	23.079	2023	32.4915307	-85.0398974		Mill Creek
426	23.080	2023	32.4914764	-85.0388651		Mill Creek
427	23.081	2023	32.4564917	-85.0321491		Tributary to Cochgalechee Creek
428	23.082	2023	32.4989221	-85.0419044		Tributary to Holland Creek
429	23.083	2023	32.4979165	-85.0461382		Tributary to Mill Creek
430	23.084	2023	32.4958266	-85.0399882		Tributary to Mill Creek
431	23.085	2023	32.5154354	-85.0244455		Tributary to Holland Creek
432	23.086	2023	32.4430703	-85.0247869		Tributary to Cochgalechee Creek
433	23.087	2023	32.4440591	-85.0279352		Tributary to Cochgalechee Creek
434	23.088	2023	32.4439823	-85.0306842		Tributary to Cochgalechee Creek
435	23.089	2023	32.3712768	-85.0506695		Tributary to Sevenmile Creek
436	23.090	2023	32.3733338	-85.0467134		Tributary to Sevenmile Creek
437	23.091	2023	32.4876231	-85.0492041		Tributary to Mill Creek
438	23.092	2023	32.5173338	-85.0160337		Tributary to Chattahoochee River
439	23.093	2023	32.5073151	-85.0024565		Tributary to Chattahoochee River
440	23.094	2023	32.5023236	-85.0025542		Tributary to Chattahoochee River
441	23.095	2023	32.4783994	-85.0267746		Tributary to Mill Creek
442	23.096	2023	32.4377273	-85.0196201		Tributary to Cochgalechee Creek
443	23.097	2023	32.4290161	-84.9817669		Tributary to Cochgalechee Creek
444	23.098	2023	32.4538477	-85.0220376		Tributary to Cochgalechee Creek
445	23.099	2023	32.5286269	-85.0671824		Tributary to Holland Creek
446	23.100	2023	32.4943336	-85.0030624		Tributary to Chattahoochee River
447	23.101	2023	32.5129576	-85.0378703		Tributary to Holland Creek
448	23.102	2023	32.5107604	-85.0392077		Tributary to Holland Creek
449	23.103	2023	32.5094914	-85.0391509		Tributary to Holland Creek
450	23.104	2023	32.4993698	-85.0410641		Tributary to Holland Creek
451	23.105	2023	32.516016	-85.041023		silverthorn
452	23.106	2023	32.514591	-85.040116		silverthorn
453	23.107	2023	32.514854	-85.039305		silverthorn
454	23.108	2023	32.4990274	-85.0405068		Tributary to Holland Creek

455	23.109	2023	32.4425139	-85.0019893		Tributary to Cochgalechee Creek
456	23.110	2023	32.4281233	-85.0301898		Tributary to Cochgalechee Creek
457	23.111	2023	32.4858121	-85.0207843		Tributary to Mill Creek
458	23.112	2023	32.4635507	-85.0305978		Tributary to Mill Creek
459	23.113	2023	32.4621662	-85.0285621		Tributary to Mill Creek
460	23.114	2023	32.4630248	-85.077395		Cochgalechee Creek
461	23.115	2023	32.5026718	-85.0265548		Tributary to Holland Creek
462	23.116	2023	32.4600873	-85.0221781		Tributary to Mill Creek
463	23.117	2023	32.4438879	-85.0352279		Tributary to Cochgalechee Creek
464	23.118	2023	32.4713558	-85.0812836		Tributary to Mill Creek
465	23.119	2023	32.4941614	-85.0332975		Holland Creek
466	23.120	2023	32.5241085	-85.0330599		Tributary to Holland Creek
467	23.121	2023	32.5091662	-85.0477443		Holland Creek
468	23.122	2023	32.5088222	-85.0505808		Holland Creek
469	23.123	2023	32.5006282	-85.0454063		Tributary to Holland Creek
470	23.124	2023	32.5002109	-85.0419168		Tributary to Holland Creek
471	23.125	2023	32.4718364	-85.0833153		Tributary to Mill Creek
472	23.126	2023	32.4957945	-85.0411974		Tributary to Holland Creek
473	23.127	2023	32.4772185	-85.0437301		Tributary to Mill Creek
474	23.128	2023	32.4684013	-85.0230453		Tributary to Mill Creek
475	23.129	2023	32.4587541	-85.0238893		Tributary to Cochgalechee Creek
476	23.130	2023	32.440444	-85.028487		willowtrace east
477	23.131	2023	32.440444	-85.028763		willowtrace west
478	23.132	2023	32.4739798	-85.0293615		Tributary to Mill Creek
479	24.001	2024				Tributary to Sevenmile Creek
480	24.002	2024				Tributary to Sevenmile Creek
481	24.003	2024				

Outfall Reconnaissance Inventory (ORI) Flow Chart

BEGIN HERE

DESKTOP ASSESSMENT

Utilize construction plans, as-built surveys, Google Street View, etc. to observe where in the City that potential outfalls might be. This could be from stormwater detention systems, private drainage systems, etc. of commercial, industrial, residential, institutional, religious, or municipal developments.

Using desktop resources, does the detention or storm system appear to have an outlet pipe leading to the public MS4 or waterways?

YES

Within the Stormwater GIS data model, mark the location of the confluence of the outlet pipe and the public MS4 or waterways.

NO

Consider there to be no outfall from the development. Field verify.

FIELD ASSESSMENT

Use previous desktop assessment data, Stormwater GIS data, and/or consider streams that have not been walked during the current permit cycle to investigate outfalls in the field.

In the field, does the detention or storm system have an outlet leading to the public MS4 or waterways?

YES

Within the Stormwater GIS data model, record the remainder of field data.

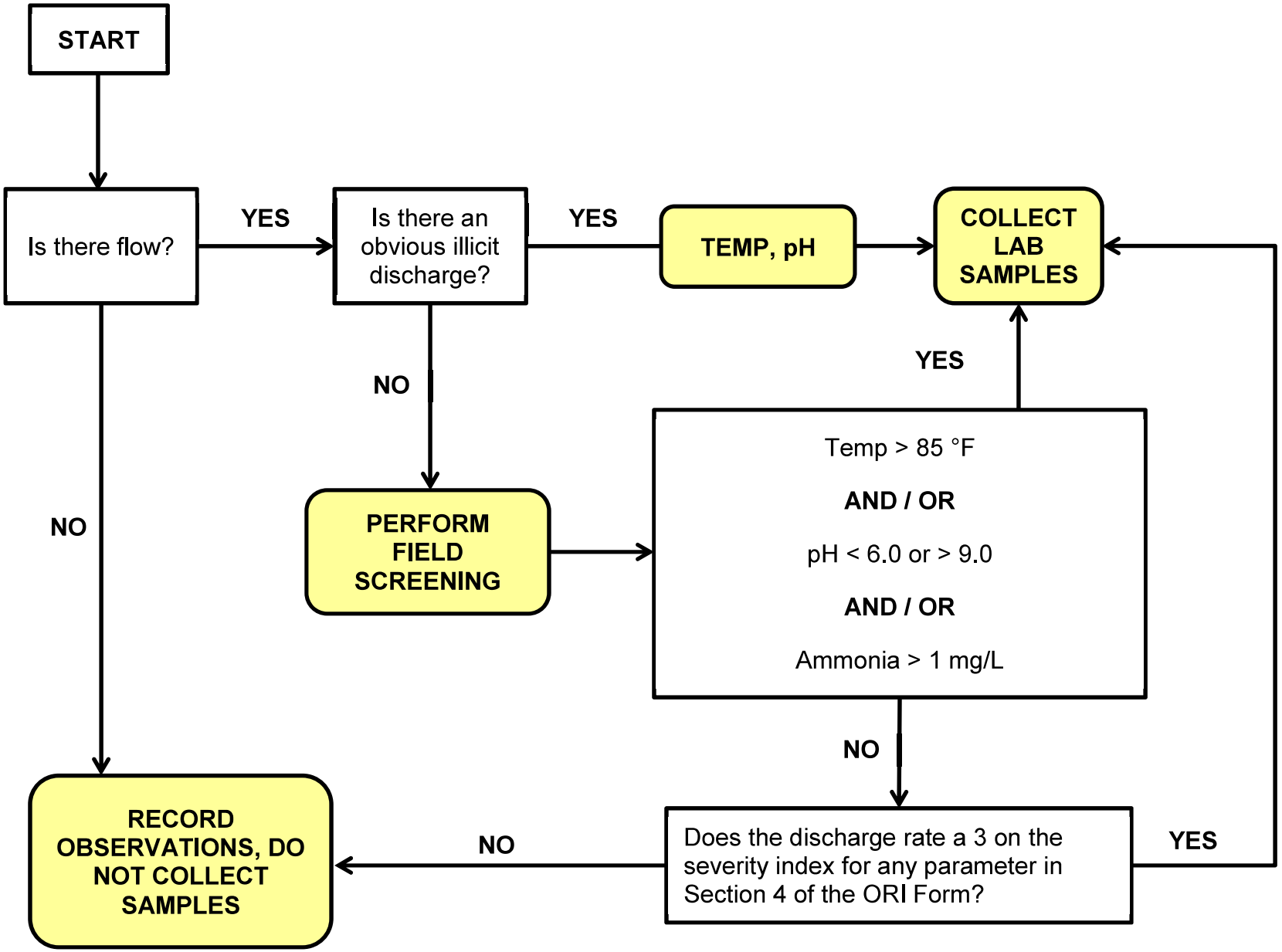
NO

Consider there to be no outfall from the development. If applicable, note this in the GIS data.

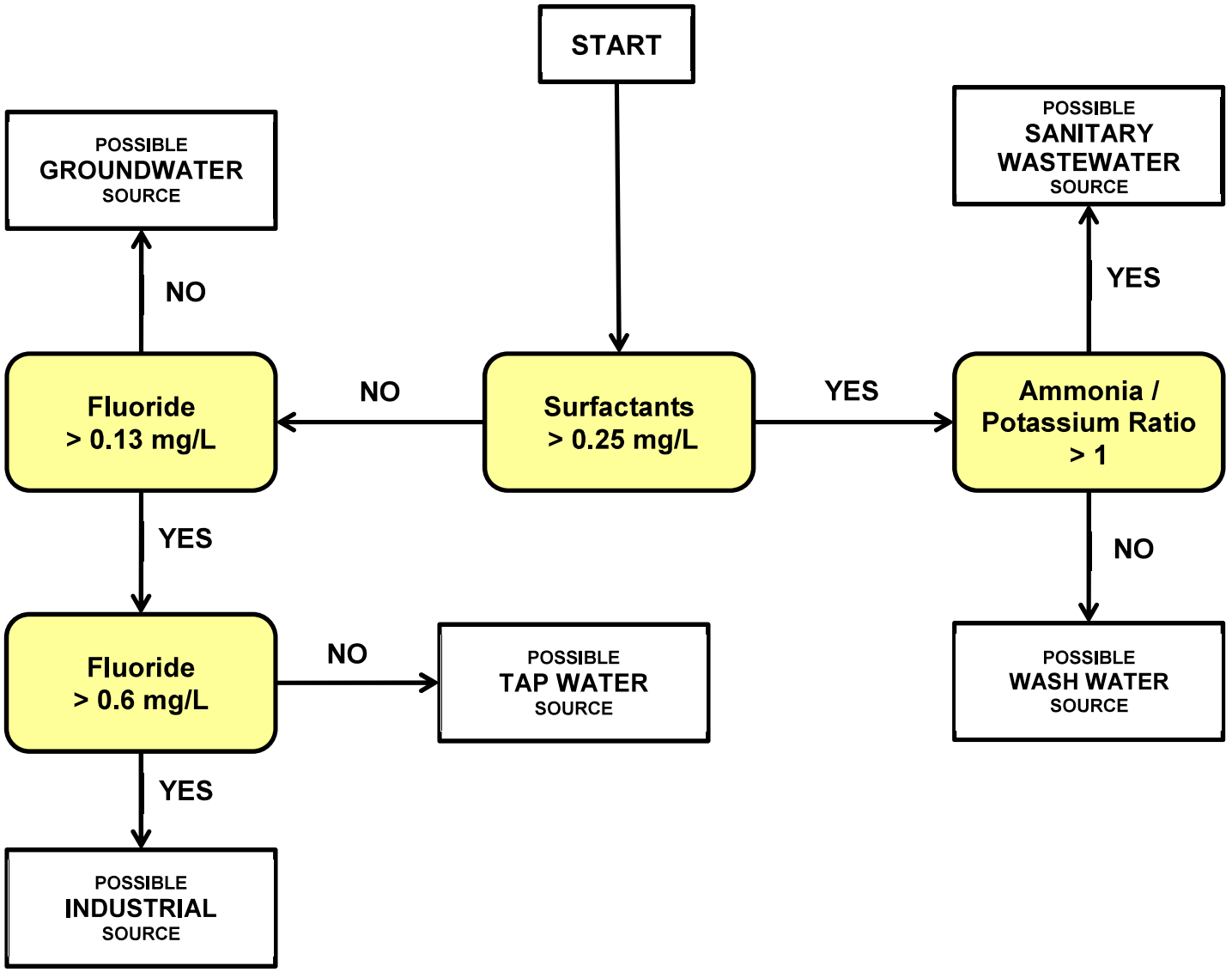
Proceed to flow charts discussing sampling procedures. Fill out "Outfall Dry Screening Fieldsheet" for the confirmed outfall and record in that year's outfall file.

PHENIX CITY Alabama

FLOW CHART: WHEN TO SAMPLE



FLOW CHART: Evaluating Analytical Data to Determine Discharge Type



OUTFALL RECONNAISSANCE INVENTORY/ SAMPLE COLLECTION FIELD SHEET

Section 1: Background Data

Subwatershed:		Outfall ID:	
Today's date:		Time (Military):	
Investigators:		Form completed by:	
Temperature (°F):	Rainfall (in.): Last 24 hours: Last 48 hours:		
Latitude:	Longitude:	GPS Unit:	GPS LMK #:
Camera:		Photo #s:	

Land Use in Drainage Area (Check all that apply):

☐ Industrial ☐ Open Space

☐ Ultra-Urban Residential ☐ Institutional

☐ Suburban Residential Other: _____

☐ Commercial Known Industries: _____

Notes (e.g.., origin of outfall, if known):

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE		DIMENSIONS (IN.)	SUBMERGED
☐ **Closed Pipe**	☐ RCP ☐ CMP ☐ PVC ☐ HDPE ☐ Steel ☐ Other: _____	☐ Circular ☐ Eliptical ☐ Box ☐ Other: _____	☐ Single ☐ Double ☐ Triple ☐ Other: _____	Diameter/Dimensions: _____	In Water: ☐ No ☐ Partially ☐ Fully With Sediment: ☐ No ☐ Partially ☐ Fully
☐ **Open drainage**	☐ Concrete ☐ Earthen ☐ rip-rap ☐ Other: _____	☐ Trapezoid ☐ Parabolic ☐ Other: _____		Depth: _____ Top Width: _____ Bottom Width: _____	
☐ **In-Stream**	**(applicable when collecting samples)**				
Flow Present?	☐ Yes ☐ No *If No, Skip to Section 5*				
Flow Description (If present)	☐ Trickle ☐ Moderate ☐ Substantial				

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		**RESULT**	**UNIT**	**EQUIPMENT**
☐Flow #1	Volume		Liter	Bottle
	Time to fill		Sec	
☐Flow #2	Flow depth		In	Tape measure
	Flow width	_____' _____"	Ft, In	Tape measure
	Measured length	_____' _____"	Ft, In	Tape measure
	Time of travel		S	Stop watch
Temperature			°F	Thermometer
pH			pH Units	Test strip/Probe
Ammonia			mg/L	Test strip

Outfall Reconnaissance Inventory Field Sheet

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the flow? ☐ Yes ☐ No *(If No, Skip to Section 5)*

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)		
Odor	☐	☐ Sewage ☐ Rancid/sour ☐ Petroleum/gas ☐ Sulfide ☐ Other:	☐ 1 – Faint	☐ 2 – Easily detected	☐ 3 – Noticeable from a distance
Color	☐	☐ Clear ☐ Brown ☐ Gray ☐ Yellow ☐ Green ☐ Orange ☐ Red ☐ Other:	☐ 1 – Faint colors in sample bottle	☐ 2 – Clearly visible in sample bottle	☐ 3 – Clearly visible in outfall flow
Turbidity	☐	See severity	☐ 1 – Slight cloudiness	☐ 2 – Cloudy	☐ 3 – Opaque
Floatables -Does Not Include Trash!!	☐	☐ Sewage (Toilet Paper, etc.) ☐ Suds ☐ Petroleum (oil sheen) ☐ Other:	☐ 1 – Few/slight; origin not obvious	☐ 2 – Some; indications of origin (e.g., possible suds or oil sheen)	☐ 3 - Some; origin clear (e.g., obvious oil sheen, suds, or floating sanitary materials)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are physical indicators that are not related to flow present? ☐ Yes ☐ No *(If No, Skip to Section 6)*

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outfall Damage	☐	☐ Spalling, Cracking or Chipping ☐ Peeling Paint ☐ Corrosion	
Deposits/Stains	☐	☐ Oily ☐ Flow Line ☐ Paint ☐ Other:	
Abnormal Vegetation	☐	☐ Excessive ☐ Inhibited	
Poor pool quality	☐	☐ Odors ☐ Colors ☐ Floatables ☐ Oil Sheen ☐ Suds ☐ Excessive Algae ☐ Other:	
Pipe benthic growth	☐	☐ Brown ☐ Orange ☐ Green ☐ Other:	

Section 6: Overall Outfall Characterization

☐ Unlikely ☐ Potential (presence of two or more indicators) ☐ Suspect (one or more indicators with a severity of 3) ☐ Obvious

Section 7: Data Collection

1. Sample for the lab?	☐ Yes	☐ No	
2. If yes, collected from:	☐ Flow	☐ Pool	
3. Intermittent flow trap set?	☐ Yes	☐ No	If Yes, type: ☐ OBM ☐ Caulk dam

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

City of Phenix City, AL

Engineering Department

Illicit Discharge Detection and Elimination and Post-Construction Inspection Summary Field Guide for Employees

Initial Compilation: August 10, 2022

Revised: March 22, 2023

Section 1
IDDE Inspections

City of Phenix City Engineering Department

A Summary Guide to IDDE Inspections

Information in this IDDE summary guide was taken from "Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessments" by the Center for Watershed Protection and Robert Pitt. This is not an exhaustive list, but, rather, a reference point for Illicit Discharges inspections to fulfill requirements of the City's MS4 Phase II permit. Outfall inspections are performed annually, with a minimum inspection of 15% of all outfalls per year and 100% of all outfalls inspected per permit cycle (every 5 years).

Outfalls to Record	Outfalls to Skip
• Both large and small diameter pipes that appear to be part of the storm drain infrastructure • Outfalls that appear to be piped headwater streams • Field connections to culverts • Submerged or partially submerged outfalls • Outfalls that are blocked with debris or sediment deposits • Pipes that appear to be outfalls from storm water treatment practices • Small diameter ductile iron pipes • Pipes that appear to only drain roof downspouts but that are subsurface, preventing definitive confirmation	• Drop inlets from roads in culverts (unless evidence of illegal dumping, dumpster leaks, etc.) • Cross-drainage culverts in transportation right-of-way (i.e., can see daylight at other end) • Weep holes • Flexible HDPE pipes that are known to serve as slope drains • Pipes that are clearly connected to roof downspouts via above-ground connections

Table 40: Equipment Needed for Sample Collection
• A cooler (to be kept in the vehicle) • Ice or "blue ice" (to be kept in the vehicle) • Permanent marker (for labeling the samples) • Labeling tape or pre-printed labels • Several dozen one-liter polyethylene plastic sample bottles • A "dipper," a measuring cup at the end of a long pole, to collect samples from outfalls that are hard to reach • Bacteria analysis sample bottles (if applicable), typically pre-cleaned 120mL sample bottles, to ensure against contamination

A **storm drain** can either be an enclosed or an open channel. There are two types this department is concerned with:

1. Major storm drains—enclosed storm drain pipes with a diameter of 36 inches or greater or open channels that drain more than 50 acres. For industrial land uses, major drains are defined as enclosed storm drain pipes 12 inches or greater in diameter and open channels that drain more than two acres.
2. Minor storm drains—smaller than the thresholds of major drains

Consider **discharge structures** from detention ponds, retention ponds, underground detention basins, etc. as outfalls for these inspections. If there is an emergency spillway for these structures, only consider the primary outlet structure as an outfall.

DO NOT consider foundation drains, weep holes, culverts, roof drains, pipes in which you can see daylight at the other end, driveway pipes, and drop inlets from roads as outfalls for these inspections. If there is evidence of illegal dumping, sanitary sewer leaks, etc. from or in these drains, investigate further to locate the source.

Table 30: Resources Needed to Conduct the ORI		
Need Area	**Minimum Needed**	**Optional but Helpful**
Mapping	• Roads • Streams	• Known problem areas • Major land uses • Outfalls • Specific industries • Storm drain network • SIC-coded buildings • Septics
Field Equipment	• 5 one-liter sample bottles • Backpack • Camera (preferably digital) • Cell phones or hand-held radios • Clip boards and pencils • Field sheets • First aid kit • Flash light or head lamp • GPS unit • Spray paint (or other marker) • Surgical gloves • Tape measure • Temperature probe • Waders (snake proof where necessary) • Watch with a second hand	• Portable Spectrophotometer and reagents (can be shared among crews) • Insect repellant • Machete/clippers • Sanitary wipes or biodegradable soap • Wide-mouth container to measure flow • Test strips or probes (e.g., pH and ammonia)
Staff	• Basic training on field methodology • Minimum two staff per crew	• Ability to track discharges up the drainage system • Knowledge of drainage area, to identify probable sources. • Knowledge of basic chemistry and biology

Table 31: Preferred Climate/Weather Considerations for Conducting the ORI		
Preferred Condition	**Reason**	**Notes/Regional Factors**
Low groundwater (e.g., very few flowing outfalls)	High groundwater can confound results	In cold regions, do not conduct the ORI in the early spring, when the ground is saturated from snowmelt.
No runoff-producing rainfall within 48 hours	Reduces the confounding influence of storm water	The specific time frame may vary depending on the drainage system.
Dry Season	Allows for more days of field work	Applies in regions of the country with a "wet/ dry seasonal pattern." This pattern is most pronounced in states bordering or slightly interior to the Gulf of Mexico or the Pacific Ocean.
Leaf Off	Dense vegetation makes finding outfalls difficult	Dense vegetation is most problematic in the southeastern United States. This criterion is helpful but not required.

Parameter	Discharge Types It Can Detect				Laboratory/Analytical Challenges
	Sewage	Washwater	Tap Water	Industrial or Commercial Liquid Wastes	
Ammonia	●	◉	○	◉	Can change into other nitrogen forms as the flow travels to the outfall
Boron	◉	◉	○	N/A	
Chlorine	○	○	○	◉	High chlorine demand in natural waters limits utility to flows with very high chlorine concentrations
Color	◉	◉	○	◉	
Conductivity	◉	◉	○	◉	Ineffective in saline waters
Detergents – Surfactants	●	●	○	◉	Reagent is a hazardous waste
E. coli Enterococci Total Coliform	◉	○	○	○	24-hour wait for results Need to modify standard monitoring protocols to measure high bacteria concentrations
Fluoride*	○	○	●	◉	Reagent is a hazardous waste Exception for communities that do not fluoridate their tap water
Hardness	◉	◉	◉	◉	
pH	○	◉	○	◉	
Potassium	◉	○	○	●	May need to use two separate analytical techniques, depending on the concentration
Turbidity	◉	◉	○	◉	

● Can almost always (>80% of samples) distinguish this discharge from clean flow types (e.g., tap water or natural water). For tap water, can distinguish from natural water.
◉ Can sometimes (>50% of samples) distinguish this discharge from clean flow types depending on regional characteristics, or can be helpful in combination with another parameter
○ Poor indicator. Cannot reliably detect illicit discharges, or cannot detect tap water
N/A: Data are not available to assess the utility of this parameter for this purpose.
Data sources: Pitt (this study)
*Fluoride is a poor indicator when used as a single parameter, but when combined with additional parameters (such as detergents, ammonia and potassium), it can almost always distinguish between sewage and washwater.

EXAMPLES of outfalls and items to record

Ductile iron round pipe

4-6" HDPE; Check if roof leader connection (legal)

Field connection to inside of culvert; Always mark and record.

Small diameter (<2") HDPE; Often a sump pump (legal), or may be used to discharge laundry water (illicit).

Elliptical RCP; Measure both horizontal and vertical diameters.

Double RCP round pipes; Mark as separate outfalls unless known to connect immediately up-pipe

Culvert (can see to other side); Don't mark as an outfall

Open channel "chute" from commercial parking lot; Very unlikely illicit discharge. Mark, but do not return to sample (unless there is an obvious problem).

Small diameter PVC pipe; Mark, and look up-pipe to find the origin.

CMP outfall; Crews should also note upstream sewer crossing.

Box shaped outfall

CMP round pipe with two weep holes at bridge crossing. (Don't mark weep holes)

Color: Brown; Severity: 2
Turbidity Severity: 2

Color: Blue-green; Severity: 3
Turbidity Severity: 2

Highly Turbid Discharge
Color: Brown; Severity: 3
Turbidity Severity: 3

Sewage Discharge
Color: 3
Turbidity: 3

Paint
Color: White; Severity: 3
Turbidity: 3

Industrial Discharge
Color: Green; Severity: 3
Turbidity Severity: 3

Blood
Color: Red; Severity: 3
Turbidity Severity: None

Failing Septic System:
Turbidity Severity: 3

Turbidity in Downstream Plume
Turbidity Severity: 2
(also confirm with sample bottle)

High Turbidity in Pool
Turbidity Severity: 2
(Confirm with sample bottle)

Iron Floc
Color: Reddish Orange; Severity: 3
(Often associated with a natural source)

Slight Turbidity
Turbidity: 1
(Difficult to interpret this observation; May be natural or an illicit discharge)

Construction Site Discharge
Turbidity Severity: 3

Discharge of Rinse from Floor Sanding
(Found during wet weather)
Turbidity Severity: 3

SUDS

Natural Foam
Note: Suds only associated with high flows at the "drop off"
Do not record.

Low Severity Suds
Rating: 1
Note: Suds do not appear to travel; very thin foam layer

High severity suds
Rating: 3
Sewage

OIL SHEENS

Low Severity Oil Sheen
Rating: 1

Moderate Severity Oil Sheen
Rating: 2

High Severity Oil Film
Rating: 3

Bacterial growth at this outfall indicates nutrient enrichment and a likely sewage source.

This bright red bacterial growth often indicates high manganese and iron concentrations. Surprisingly, it is not typically associated with illicit discharges.

Sporalitis filamentous bacteria, also known as "sewage fungus" can be used to track down sanitary sewer leaks.

Algal mats on lakes indicate eutrophication. Several sources can cause this problem. Investigate potential illicit sources.

Illicit discharges or excessive nutrient application can lead to extreme algal growth on stream beds.

The drainage to this outfall most likely has a high nutrient concentration. The cause may be an illicit discharge, but may be excessive use of lawn chemicals.

This brownish algae indicates an elevated nutrient level.

Reddish staining on the rocks below this outfall indicate high iron concentrations.

Toilet paper directly below the storm drain outlet.

Watershed Protection??

Trash is not an indicator of illicit discharges, but should be noted.

Staining at the base of the outfall may indicate a persistent, intermittent discharge.

Excessive vegetation may indicate enriched flows associated with sewage.

Brownish stain of unclear origin. May be from degradation of the brick infrastructure.

Cracked rock below the outfall may indicate an intermittent discharge.

Poor pool quality. Consider sampling from the pool to determine origin.

Appendix II – Supporting Documents

Public Education and Public Involvement

Phase II Storm Water Program

Spring 2024

Flooding and Flood Mitigation within Phenix City

Flooding Issues within Phenix City

In the first quarter of 2024 the City of Phenix City experienced a higher than usual amount of rain. Between January and March of 2024 the City's electronic rain gauge (which is maintained by the City's Engineering Department) recorded a total of 21.78 inches of rain, almost two feet! In the past three years the only comparable time period during which this quantity of rain came close to being matched was during the first quarter of 2023 which experienced an average total of just under 15 inches.

During the weekend of February 10-11 of 2024 a noteworthy rain event occurred. Over the course of these two days the City's electronic rain gauge recorded 6.4 inches of rain. As a comparison this same rain gauge recorded 5.7 inches of rain for the entirety of January just a month prior. Needless to say this amount of rain over such a relatively short period of time caused many problems for both the municipal government and the citizens of Phenix City. In the hours following this rain event the City received at least eight action center requests related to stormwater, flooding, or erosion. The pictures below show some of the damage caused.

Flood Mitigation within Phenix City

In order to mitigate issues related to flooding the City of Phenix City maintains a comprehensive Stormwater Management Plan (SWMP) and has adopted several ordinances related to stormwater. The SWMP, stormwater-related City ordinances, and other stormwater resources are published on the City's stormwater webpage which can be accessed by following this LINK.

This webpage also has a link to the *Low Impact Development Handbook for the State of Alabama.* This handbook is a great resource that explains many of the concepts that engineers use to manage stormwater and simplifies them so that a broader audience can grasp them. It also provides instructions for Best Management Practices (BMPs) and strategies that homeowners and business owners can implement to better manage stormwater originating or running through their property. This handbook can be accessed directly by following this LINK.

Permeable and Impermeable Surfaces

Background

Like many other cities in the United States, Phenix City has grown considerably in recent decades. In the 20 year span between the year 2000 and 2020 Phenix City grew by roughly 10,000 people. New homes and businesses had to be built in order to accommodate all of these new citizens. While more homes and businesses may be good for a city's economic development, it also means more and more permeable surfaces like forests and grasslands are replaced with impermeable surfaces such as asphalt and concrete.

Benefits and Consequences of Permeable and Impermeable Surfaces

When cars and other vehicles pass over an impermeable surface such as an asphalt road or a paved parking lot they may inadvertently leak oil, chemicals, and other contaminants. Falling rainwater then flows along these impermeable surfaces and picks up these contaminants, carrying them along. By channeling this runoff to detention ponds or through grassed swales (both of which are permeable surfaces) the water is slowed down and given a chance to percolate into the ground, trapping these contaminants in the soil before they have a chance to reach surface waters such as streams, rivers, and lakes. Within Phenix City itself there are over 100+ detention ponds that serve not only to control the discharge of water from developed land, but also to limit the amount of contaminants that reach our water resources.

Further Reading

The City of Phenix City and state agencies such as the Alabama Department of Environmental Management (ADEM) have policies, regulations, and ordinances in place that serve to mitigate the negative effects of permeable surfaces being replaced with impermeable ones. ADEM has a water resources page on their website where more information on this topic can be found. This website can be found by clicking this LINK or by visiting adem.alabama.gov/programs/water/default.cnt.

For the Phenix City ESC policy, as well as other useful resources such as the Phenix City zoning ordinance and the Phenix City Public Works Manual visit our website at phenixcityal.gov.

PHENIX CITY Alabama

Phase II Storm Water Program

Fall 2024

Silt Fencing, a Simple but Effective Tool

Background

If you have ever driven by a construction site or an area undergoing development you likely saw a roughly 3 foot tall black fence that looked to be made of a flexible fabric surrounding the area of disturbed soil. This tool is called silt fencing and it is a temporary sediment control device designed to prevent soil erosion and the movement of sediment-laden water from the site and into adjacent water bodies, drainage systems, or neighboring properties.

Purpose and Functionality of Silt Fencing

The primary purpose of a silt fence is to manage stormwater runoff carrying soil particles called silt away from disturbed land. By filtering out these silt particles the silt fencing helps in maintaining water quality, protecting aquatic habitats, and preventing the clogging of waterways and drainage systems. The fence works by allowing water to pass through while trapping the sediment particles behind the barrier.

Silt Fence Design and Installation

A typical silt fence consists of a permeable fabric which is attached to wooden or metal stakes and driven into the ground. The fabric should be buried at the base to ensure it captures runoff effectively. In order to be most effective, serious consideration should be given to where the silt fencing is installed. This typically ends up being along contour lines in order to maximize sediment capture. The spacing of stakes is also important and is dependent on many factors such as the material of the stakes, the drainage area being covered, and the amount of water the silt fencing is expected to handle.

Environmental Impact and Regulations

Silt fences are regulated under various environmental protection laws, including the Clean Water Act in the U.S. which mandates sediment control on construction sites to prevent pollution of water bodies. Although many see silt fencing as a burden imposed on builders and contractors, their use is extremely important for the managing and maintaining of our water and natural resources.

Phase II Storm Water Program

Winter 2024

Natures Erosion Control Specialists

Erosion Control Grasses

Erosion is a natural process where soil, rock, or other earth materials are moved away from one location to another primarily due to water, wind, or human activities. Although erosion is a natural process, when it occurs too quickly or in areas where it is not managed, it can lead to significant land degradation, loss of fertile soil, and environmental damage. This is especially true of man-made erosion caused by land disturbances such as that seen in mining and land development. One of the most effective and environmentally friendly ways we can combat this issue is through the use vegetation such as grass.

The Role of Grasses in Erosion Control

Grasses play a pivotal role in stabilizing soil due to their extensive root systems and the speed at which they grow and spread. The roots of grasses bind soil particles together and create a network that holds the ground in place against the erosive forces of wind and water. This network not only reduces the speed of runoff water but can also increases the infiltration rate of water into the soil thereby reducing surface runoff that can cause erosion.

Types of Erosion Control Grasses

Several grass species are particularly noted for their effectiveness in erosion control:

Buffalo Grass: Native to North America, this grass has a deep root system that makes it ideal for preventing soil erosion in regions with both light and heavy soils.

Bermuda Grass: Known for its rapid growth and dense mat formation, Bermuda grass is an excellent option for stabilizing slopes, particularly in warmer climates where it thrives.

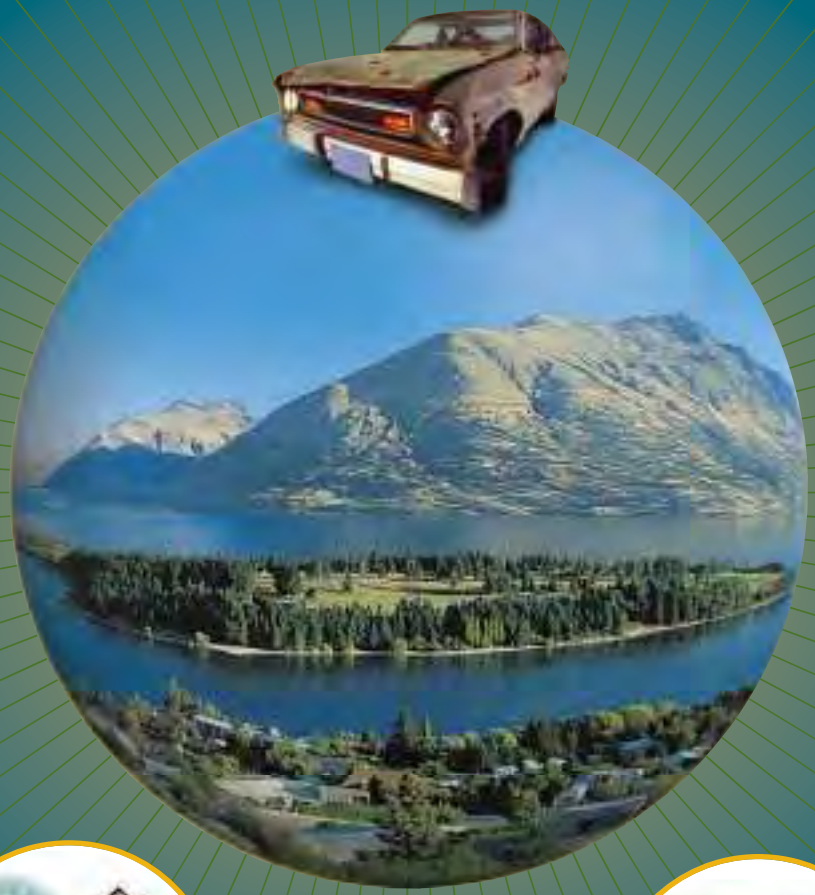
Switchgrass: Known for its deep roots and its tolerance to a wide range of soil types. Switchgrass is used for erosion control on slopes and in conservation areas.

Vetiver Grass: Often used in tropical and subtropical climates, vetiver has very deep and thick root systems making it one of the best grasses for controlling erosion on steep slopes.

Creeping Bentgrass: Preferable in cooler and moist environments, creeping bentgrass forms dense cover that quickly stabilizes bare soil.

Only Rain in the Drain

Stormwater protection starts with you!



Remove fluids from incoming vehicles

Drain fluids from incoming vehicles to reduce the possibility of spills when parts are removed later, and time and cost to your business from cleaning up leaks and spills.
Drain vehicle fluids before dismantling fluid-containing parts, placing vehicles in the yard for long-term storage, or crushing.

Handle drained fluids properly

Store fluids properly to reduce the amount of contaminants that end up in stormwater. Confine fluid storage to designated areas that are covered and have adequate secondary containment. Keep all storage containers away from storm drains, and don't leave open drain pans around the shop.

Drain, cover and contain all oily parts

Store engines, transmissions, and other oily parts to avoid exposure to rain or snowfall. Store these parts indoors or under a roof on an impervious surface, if you store oily parts outside, use weather- and leak-proof covered containers, or place them in vehicle bodies.

Routine housekeeping is important

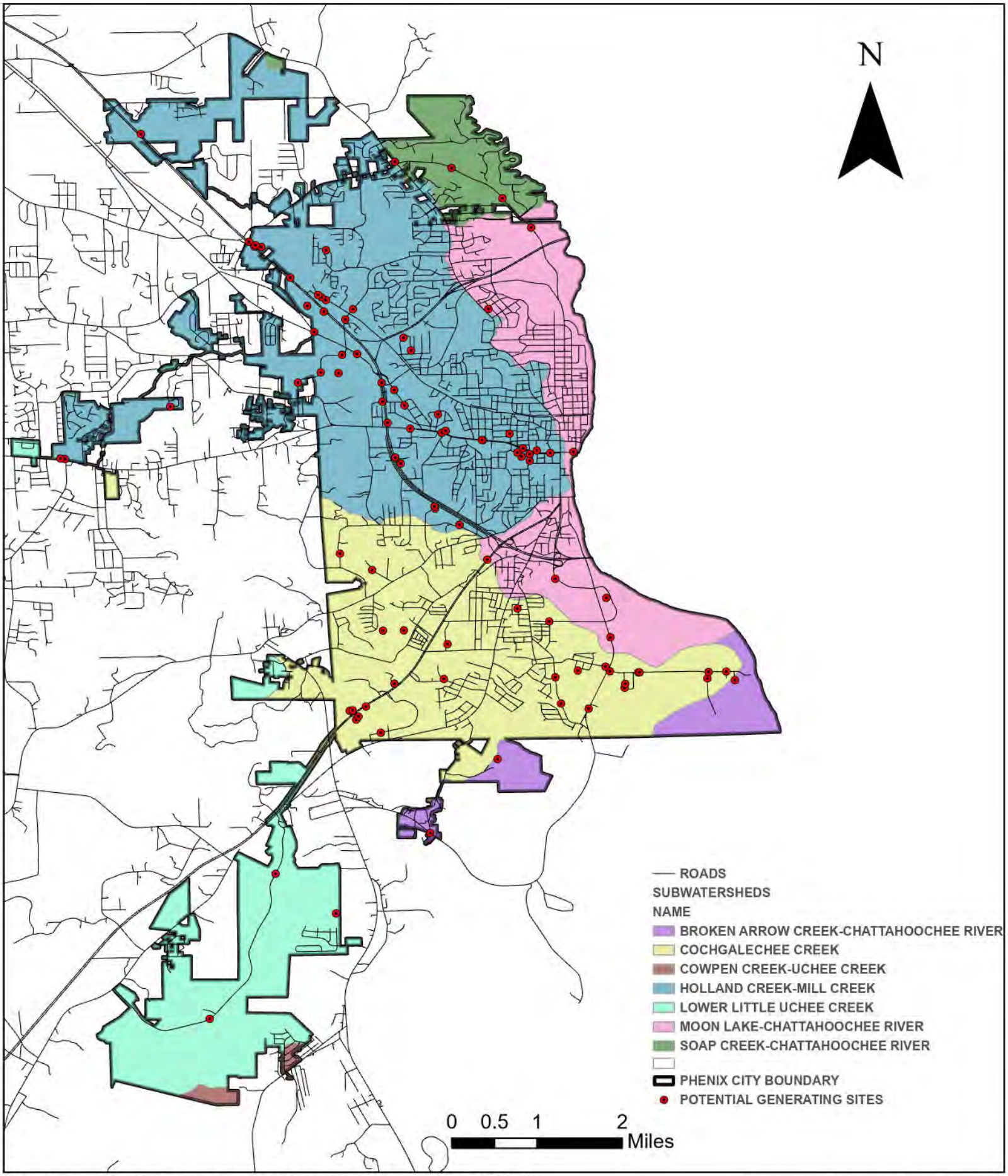
Clean up spills promptly and thoroughly. Use shop rags and oil dry to clean up smaller spills, and keep spill kits available in the areas where you conduct dismantling, fluid removal, and fluid storage. Sweep paved surfaces and clean absorbent material daily to reduce sediment and contaminant buildup.

Train all relevant employees in your BMPs

Employee training is critical!
Train employees on stormwater management procedures, especially during the wet season and before it rains or snows.
All employees must be trained upon their initial hire and at least once per year thereafter.

Developed by Sustainable Conservation www.suscon.org

Illicit Discharge Potential



Potential Generating Sites (2025)

Prepared by: Sebastian Gonzalez

Facility ID	Facility Name	Facility Street
1	LOGAN MACHINE WORKS, INC.	35 DOWNING DR.
2	MISTY FOREST III & IVA	WHITE PINE WAY
3	ALATRADE FOODS LLC	6 DOWNING DR
4	ALATRADE FOODS, INC.- PHENIX CITY PLANT 4	6 DOWNING DRIVE
5	ROBINSON GRAVEL PIT	ABERCROMBIE ROAD
6	DYKES HAUL PIT	SEALE ROAD
7	CHATTAHOOCHEE VALLEY COMMUNITY COLLEGE	2602 COLLEGE DRIVE
8	JACK'S - PHENIX CITY	RETAIL DRIVE
9	GRAND RESERVE - PHENIX CITY	BETWEEN HWY 431 & OLD SEALE ROAD
10	THE VILLAGE AT CROSSWINDS	US HWY 431
11	PHENIX CITY WENDY'S	CROSSWINDS RD
12	PHENIX CITY C-STORE	CROSSWINDS DRIVE
13	PHENIX CITY FREIGHT	900 BRICKYARD ROAD
14	RACETRAC PROJECT #1481	MARTIN LUTHER KING JR PARKWAY S
15	VOGUE INTERNATIONAL., PHENIX CITY DISTRIBUTION CENTER	903 FONTAINE ROAD
16	CARMACK INC DBA PHENIX FOUNDRY	803 INDUSTRIAL CIRCLE
17	MCABERY FOUNDRY, LLC	STATE DOCK ROAD
18	OLIVER STORAGE	3150 MARTIN LUTHER KING JR PKWY S
19	PHENIX CITY WASTEWATER TREATMENT PLANT	1600 EAST STATE DOCKS ROAD
20	RIDGECREST SCHOOL - MULTIPURPOSE BUILDING	8TH PLACE SOUTH
21	IIG MINWOOL LLC	908 JOHN BUSSEY DRIVE
22	OWENS CORNING HT INCORPORATED	908 OWENS CORNING DR.
23	NAIG2 SITE PREP	FONTAINE ROAD
24	SA RECYCLING	309 STATE DOCK ROAD
25	PHENIX CITY II - STATE DOCKS	400 STATE DOCKS ROAD
26	PHENIX CITY TRANSFER STATION	610 STATE DOCKS ROAD
27	CONTINENTAL CARBON PHENIX CITY PLANT	1500 EAST STATE DOCKS ROAD
28	OCONEE CONCRETE COMPANY, INC.	210 STATE DOCK ROAD
29	SOUTH PHENIX CITY SUBSTATION	321 STATE DOCKS ROAD
30	PHENIX CITY - 15023	25 6TH PLACE SOUTH
31	COVID SUPPLY STORAGE BUILDING	4TH ST S & PRENTISS DR
32	ARGOS PHENIX CITY PLANT	350 BRICKYARD RD
33	WILLOW TRACE SUBDIVISION- LOTS 1, 7, 56-61, 65-68, 72-82, 84-89, 91-100, 103-149	WEST OF KNOWLES ROAD JUST SOUTH OF SUMMERWIND DRIV
34	WILLOW TRACE	WILLOW BRANCH DRIVE
35	SOUTHEAST TRUCK & TRAILER REFURBISHERS INC	800 MEADOWLANE DRIVE
36	GREATER MOUNT ZION BAPTIST CHURCH	11TH AVENUE WEST & 121 11TH COURT SOUTH
37	BORAL BRICKS	100 BRICKYARD RD
38	BALC PROPERTY	323-329 COLIN L. POWELL PKWY
39	ORCHARD HILLS SUBDIVISION	26TH COURT
40	MARATHON MART #102	410 MARTIN LUTHER KING BLVD
41	BRANCH CREEK	33RD AVENUE
42	PARK PLACE SUBDIVISION	701 PARK AVE
43	22ND AVE SERVICE STATION	22ND AVE AT ITS' INTERSECTION WITH US HWY 280
44	GILS AUTO SALES	22ND AVENUE AT US HIGHWAY 280/431
45	CHICK-FIL-A #05616	1132 E. 280 BYPASS
46	GIBBONS FENDER & BODY WORKS INC	1208 10TH AVENUE
47	LADONIA COMMERCIAL	US HWY 80 NW OF ITS' INTERSECTION WITH WOODLAND DR
48	SONIC/CARWASH PHENIX CITY AL	US HIGHWAY 80
49	DEL TACO RESTAURANT	1212 E. 280 BYPASS
50	TOMMY'S BODY SHOP	1015 12TH PLACE
51	LEATHERWOOD & SONS BODY SHOP	1225 10TH AVENUE
52	S&S CLEANERS INC DBA TRI CITY CLEANERS	700 13TH ST
53	DYKES BODY SHOP	1228 11TH AVE
54	ALABAMA FIBER UTILITY NETWORK - RUSSELL COUNTY	LINEAR ROUTE
55	GALA CHEMICAL COMPANY	1803 11TH COURT
56	TAYLOR PARTS OF COLUMBUS INC	1012 THIRTEENTH STREET
57	ZIPPY MART AL-553	1412 14TH ST
58	PHENIX CITY, AL CAX	1411 14TH STREET
59	CITY OF PHENIX CITY MS4 PH II	601 12TH ST.
60	TAYLOR PARTS INC.	1921 CRAWFORD RD
61	PC FD TRAINING CENTER	1910 CRAWFORD ROAD
62	CVS PHARMACY #4934	2514 CRAWFORD RD
63	ARGO CONSTRUCTION	HIGHWAY 280
64	LIBERTY HILL	1702 20TH AVE
65	MALLARD CREEK SUBDIVISION LOTS 20A, 70, 72, 73, 74, 96	NEAR THE WESTERN END OF TEAL DRIVE
66	RUSSELL COUNTY DEPARTMENT OF HUMAN RESOURCES	NEAR CORNER OF OPELIKA RD AND 20TH ST
67	KMART 4760	2003 US HWY 280 BYPASS
68	OPELIKA ROAD PIT	2335 OPELIKA RD
69	FAULK & SON, INC.	3610 HIGHWAY 80 WEST
70	RIDGEWOOD COVE S/D- LOTS 1-3, 5-11, 17	DOBBS DRIVE
71	CHS CTE ANNEX	DOBBS DRIVE
72	CENTRAL HIGH SCHOOL	2400 DOBBS DR
73	CHS ATHLETIC FACILITY	2400 DOBBS DR
74	READY MIX USA PHENIX CITY SHOP	2806 DOBBS DRIVE
75	READY MIX USA, LLC-PHENIX CITY FACILITY	2806 DOBBS DRIVE
76	DYKES AND SON GRADING	2808 OPELIKA RD
77	PHENIX CITY UTILITIES-PHENIX CITY WATER TREATMENT PLANT	1119 BROAD STREET
78	NEWSOME PROPERTY - PHENIX CITY	3002 25TH AVE
79	PHENIX LUMBER CO	4 CUT RATE RD
80	HAMMETT STEEL LLC	3015 LAKEWOOD DRIVE
81	PHENIX CITY COMMERCIAL SUBDIVISION	3603 US HIGHWAY 431 N
82	VECTORPLY CORPORATION	3503 LAKEWOOD DRIVE

83	280 SELF STORAGE	MARKETPLACE DRIVE
84	JOE HUDSON COLLISION CENTER - PHENIX CITY	MARKETPLACE DRIVE
85	WENDY'S PHENIX CITY	BETWEEN HOLIDAY INN AND REGIONS BANK
86	RAILROAD STREET APARTMENTS	SOUTH RAILROAD STREET
87	PREFERRED MEDICAL GROUP	3700 S RAILROAD ST
88	PHENIX CITY RETAIL	3732 U.S. HWY 280
89	RT TRANSPORTATION	4414 BRIDGEWATER CIRCLE
90	PEP BOYS AUTO SERVICE & TIRES #1572	5 ASHWOOD DRIVE
91	HOME DEPOT STORE #817	3784 HWY 280 -431 NORTH
92	DAIRY QUEEN GRILL & CHILL	LOT B - ASHWOOD DRIVE
93	CULVER'S	HWY 280 (431S)
94	RUSSELL CO COMMUNITY HOSPITAL DBA JACK HUGHSTON MEMORIAL HOSPITAL	4401 RIVER CHASE DR
95	MAVIS TIRES & BRAKES - PHENIX CITY	5370 RIVERCHASE RD
96	RIVERCHASE COMMERCIAL SW	RIVERCHASE DR AT J R ALLEN PJWY
97	CVS PHARMACY #1824	5405 SUMMERVILLE ROAD
98	SHADOW WOOD COMMERCIAL	HWY 280/431 BETWEEN OPELIKA & PHENIX CITY

Illicit Discharge Potential (IDP) Flow Chart

STEP 1

Open Phenix City subwatersheds map, Phenix City MS4 area map, Phenix City boundary map, Phenix City outfalls map, the sanitary sewer maps for Phenix City, Russell County, and Smiths Station, and the tax parcel maps for Russell and Lee Counties.

STEP 2 — DATA ACQUISITION

- Download list of Potential Generating Sites (PGS) from EPA ECHO database and overlay on MS4, City, and subwatershed boundary maps
- View the County Tax Parcels map online to estimate the average age of development (AOD) for each subwatershed within the MS4 area AND within the City Boundary
- Locate all Illicit Discharge reports from the Action Center and in the IDDE Folder from last 2 years
- Sites that are not connected to sanitary lines in the Phenix City, Russell County, and Smiths Station utility areas are considered to have septic fields
- View the Outfall Reconnaissance layer and the number of outfalls with each type of ranking

STEP 3 — IDP CRITERION

# of PGS per subwatershed:	SCORE
<3 sites	1
3-10 sites	2
>10 sites	3
NOT POSSIBLE	4

Average AOD per subwatershed:	SCORE
<10 years	1
25-50 years	2
>50 years	3
NOT POSSIBLE	4

# of Illicit Discharges in past 2 years per subwatershed:	SCORE
<5 reports	1
5-25 reports	2
>25 reports	3
NOT POSSIBLE	4

# of septic fields per subwatershed:	SCORE
<10 fields/mi^2	1
20-100 fields/mi^2	2
>100 fields/mi^2	3
NOT POSSIBLE	4

Average of all outfalls per subwatershed:	SCORE
Unlikely	1
Potential	2
Suspect	3
Obvious	4

STEP 4 — SUBWATERSHED IDP SCORING

Subwatersheds in Phenix City

- Soap Creek—Chattahoochee River
- Holland Creek—Mill Creek
- Moon Lake—Chattahoochee River
- Cochgalechee Creek
- Broken Arrow Creek—Chattahoochee River
- Lower Little Uchee Creek
- Cowpen Creek—Uchee Creek

Add all criterion scores for each subwatershed together to get the total IDP score for each subwatershed. The highest possible IDP score is 16 and the lowest possible IDP score is 5. Any subwatershed with a score between 10-16 will be labeled as a "Priority Area." Any priority area will have outfalls inspected at a rate of at least 20% per year of total outfalls within that subwatershed.

PHENIX CITY Alabama

Stormwater Webpage

Stormwater Management

Engineering & Public Works
Engineering Division
Cemetery
Computer-Generated Maps
EV Chargers
Maintenance
National Flood Insurance Program
Stormwater Management
FAQs
Forms
Helpful Resources
Public Works Division

Roles & Responsibilities of Erosion & Sediment Control

The city's Engineering Division reviews erosion and sediment control construction best management practices plans (CBMPPs) submitted for individual developments by the engineer of record and provides comments to the engineer. The city has adopted statewide standards (i.e. the Alabama Handbook for Erosion Control, Sediment Control and Stormwater Management on Construction Sites and Urban Areas, latest edition) to encourage uniformity in BMP design, construction, and maintenance.

The Engineering Division conducts initial onsite walk-through inspections of construction site best management practices (BMPs) to ensure that all BMPs are installed in accordance with the approved CBMPP.

The division also conducts site inspections after each ¾-inch, 24-hour rainfall event or at least once per month. The purpose of these inspections is to document failures/deficiencies in BMPs on-site and to communicate those deficiencies to the respective permit holder. Followup inspections are made, as necessary, to ensure that corrections are being made promptly to correct any deficiencies and to restore the BMPs.

Take Action

Notice something not in compliance with our regulations? Report it through the city's online Action Center, or call 334-448-2760. Instances to report include:

- Erosion control
- Illicit discharge
- Impaired waters
- Non-compliant construction sites
- Storm drains and flooding
- Stormwater and illicit discharge ordinance violations

Reports

- 2023-2024 Annual Report
- 2022-2023 Annual Report
- 2021-2022 Annual Report
- 2020-2021 Annual Report
- 2019-2020 Annual Report
- 2018-2019 Annual Report
- 2017-2018 Annual Report
- 2016-2017 Annual Report
- 2015-2016 Annual Report
- City of Phenix City Storm Water Management Program Plan (SWMPP)

Related Documents

- 2022 Alabama Handbook for Erosion Control, Sediment Control, and Stormwater Management on Construction Sites and Urban Areas, Volume 1
- 2022 Alabama Handbook for Erosion Control, Sediment Control, and Stormwater Management on

Helpful Resources

- ADEM Construction Stormwater
- ADEM Industrial Stormwater and Wastewater
- Alabama Cooperative Extension Service
- Alabama Department of Environmental Management (ADEM)
- Alabama Forestry Commission
- Alabama Soil and Water Conservation
- Alabama Water Watch
- EPA Guidance on Low Impact Development
- Environmental Protection Agency – National Pollutant Discharge Elimination System (EPA NPDES)
- Flood Watch
- Low Impact Development Handbook for the State of Alabama
- Stormwater Illicit Discharge Detection and Elimination Best Management Practices
- Stormwater Maintenance

- Construction Sites and Urban Areas, Volume 2
- City of Phenix City Public Works Manual
- Concrete Washout Design
- Ordinance No. 2017-01: Storm Sewer Regulations
- Ordinance No. 2007-07: Erosion & Sediment Control
- NPDES General Permit for Stormwater Discharges from Small Municipalities in Alabama
- NPDES General Permit for Stormwater Discharges from Construction Sites in Alabama
- Stormwater Post-construction Best Management Practices
- U.S. Department of Agriculture
- U. S. Fish and Wildlife
- U.S. Geological Survey

Stormwater Newsletters

- Winter 2024
- Fall 2024
- Summer 2024
- Spring 2024
- Winter 2023
- Fall 2023
- Summer 2023
- Fall 2022
- Summer 2022
- Spring 2022
- Winter 2022
- Fall 2021
- Summer 2021
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- Summer 2015
- Spring 2015
- Winter 2014
- Fall 2014
- Summer 2014
- Spring 2014
- Winter 2013
- Fall 2013
- Summer 2013
- Spring 2013

Action Center

From: Do Not Reply
To: [redacted]
Subject: Action Center Request "Erosion Control"
Date: Friday, January 31, 2025 12:07:34 PM

From: [redacted]
Subject: Action Center Request

Message Body:

Nature of Problem: Erosion Control

Description of Problem: I live at [redacted] Street the city came out and Dug up my yard last year to fix a sewer issue. They removed the sidewalk and dug into my yard. I leveled the dirt and repaired my yard but the sidewalk is still missing. It is causing my yard to erode and putting dirt in the street. There is also a hole about 2 feet wide and 4 feet deep that was dug in my yard and it was not filled in. I am concerned for the public safety. This hole could be dangerous.

Location: [redacted] street and [redacted] avenue

Contact Information

Name: [redacted]
Email: [redacted]
Phone Number: [redacted]

--
This email was sent from the Action Center on Phenix City, Alabama's official website (https://phenixcityal.us)

From: Sebastian Gonzalez Perez
To: [redacted]
Subject: FW: Service Request #055329 - Erosion - Medium Priority
Date: Friday, January 31, 2025 4:53:58 PM
Attachments: IMG_0001.JPG
IMG_9998.JPG

-----Original Message-----
From: Sebastian Gonzalez Perez
Sent: Friday, January 31, 2025 4:52 PM
To: [redacted]
Subject: Service Request #055329 - Erosion - Medium Priority

Service Request #055329 - Erosion - Medium Priority

Call Date: 01/31/2025
Call Time: 16:43
District:
Location: [redacted] St
Feature:
Priority: Medium Priority

Citizen complained about hole on property. During investigation a roughly 2 foot deep by 2 foot wide hole was observed next to the curb. The hole was expanding and undercutting the road. The property is located at the intersection of [redacted] street and [redacted] avenue but the hole itself is along [redacted] ave.

Caller: [redacted]
Address: [redacted] street
Phenix City AL 36867
Home Phone: [redacted]

Status: Open
Completed:
Scheduled:
Misc Key:
Taken By: GonzalezPerez, Sebastian

Thank you: Sebastian GonzalezPerez

Construction Site Inspection

City of Phenix City
Engineering Department
Inspection Report

Date	3/5/25	**Time**	16 16	**Inspector**	Sebastian Gonzalez-Perez (QCI# T7777)
Rain Event	✓	**Rainfall (in.)**	1.1	**Site Name**	[redacted]
ADEM Sign		**Rain Gauge Present**		**Site Address**	[redacted]

Lot #/Location	Notes
Silt Fencing	Silt fencing present around site and properly entrenched
Inlet	Inlet may require protection in the future once asphalt in parking lot removed.

BMP INITIALS OF - Outfall SF - Silt Fence IP - Inlet Protection TD - Trash and Debris SP - Soil Pile/Bare Soil L - Landscaping CEP - Construction Exit Pad CW - Concrete Washout

General Comments	The drop inlet that receives storm water runoff from the parking lot may require inlet protection once asphalt is removed and soil is exposed.

City of Phenix City - Engineering 1206 7th Ave., Phenix City, AL 36867	**Inspector's Signature**	


piggly wiggly
McDonald's
McDonald's
ROW


KOMATSU

City of Phenix City
Engineering Department
Inspection Report

Date	3/13/25	**Time**	11 30	**Inspector**	Sebastian Gonzalez-Perez (QCI# T7777)
Rain Event	☐	**Rainfall (in.)**		**Site Name**	[redacted]
ADEM Sign	☐	**Rain Gauge Present**	☐	**Site Address**	[redacted]

Lot #/Location	Notes
Drop inlet	Contractor emplaced inlet protection on flume that leads to drop inlet.

BMP INITIALS OF - Outfall SF - Silt Fence IP - Inlet Protection TD - Trash and Debris SP - Soil Pile/Bare Soil L - Landscaping CEP - Construction Exit Pad CW - Concrete Washout

General Comments	Flume that directs water from parking lot into a drop inlet did not have inlet protection. During re-inspection of site flume had inlet protection.

City of Phenix City - Engineering 1206 7th Ave., Phenix City, AL 36867	**Inspector's Signature**	Sebastian Gonzalez Digitally signed by Sebastian Gonzalez Date: 2025.03.17 16:37:33 -04'00'


McDonald's
HIRING

Post-construction BMP Inspection

PHENIX CITY Alabama
DEPARTMENT OF ENGINEERING / PUBLIC WORKS
601 12th Street | Phenix City, AL 36867 | Ph: 334-448-2760 | Fx: 334-291-4848 | phenixcityal.gov

VIA CERTIFIED MAIL

TO: [redacted]

DATE: 01/9/2025

SUBJECT: [redacted]

Dear Sir or Madam:
A representative of the City of Phenix City Engineering Department conducted a routine stormwater Best Management Practice (BMP) inspection for the above referenced site. This is done yearly in accordance with the City's Municipal Separate Storm Sewer System (MS4) permit through the Alabama Department of Environmental Management (Permit No. ALR040019) and City Ordinances 2007-07 and 2017-01. During the inspection, the following observations were made:

☑	Vegetation:	Vegetation within the pond was overgrown. Cut all vegetation within the pond to a height of no more than 6 inches.
☐	Debris / Trash:	
☐	Erosion:	
☐	Gate / Fence:	

PHENIX CITY Alabama
DEPARTMENT OF ENGINEERING / PUBLIC WORKS
601 12th Street | Phenix City, AL 36867 | Ph: 334-448-2760 | Fx: 334-291-4848 | phenixcityal.gov

☐ Drainage Structures:	
☐ Underground BMPs:	
☑ Other:	Unable to properly inspect pond due to overgrown vegetation.

Post-construction stormwater BMPs are subject to an annual inspection under Ordinances 2007-07 and 2017-01. These inspections and upkeep of these BMPs are required for compliance with the Alabama Department of Environmental Management's Municipal Separate Storm Sewer System permit of the National Pollutant Discharge Elimination System. These deficiencies must be corrected within 30 days of receipt of this letter. **A follow-up inspection will be performed by representatives of the City Engineering Department after this period has ended.** Additional maintenance may be needed. If you have any questions, you may contact the Engineering Department at 334-448-2760.

Sincerely,

Angel Moore, P.E.
City Engineer

Sebastian Gonzalez, SW and ESC Coord.

QR Code to the Phenix City Stormwater Management Webpage

PHENIX CITY alabama

DEPARTMENT OF ENGINEERING / PUBLIC WORKS

601 12th Street | Phenix City, AL 36867 | Ph: 334-448-2760 | Fx: 334-291-4848 | phenixcityal.gov

DR. R. GRIFF GORDY
Mayor Pro Tem / At Large

STEVE BAILEY
Councilmember District 1

EDDIE N. LOWE
Mayor

VICKEY F. CARTER
Councilmember District 2

ARTHUR L. DAY, JR.
Councilmember District 3

WALLACE B. HUNTER, City Manager
SHANNON DAVIS, City Clerk
ANGEL MOORE, P.E., City Engineer
Director of Engineering / Director of Public Works

VIA EMAIL

TO: [redacted]

DATE: 02/19/2025

SUBJECT: [redacted]

Dear Sir or Madam:
A representative of the City of Phenix City Engineering Department conducted a routine stormwater Best Management Practice (BMP) inspection for the above referenced site. This is done yearly in accordance with the City's Municipal Separate Storm Sewer System (MS4) permit through the Alabama Department of Environmental Management (Permit No. ALR040019) and City Ordinances 2007-07 and 2017-01. During the inspection, the following observations were made:

☐ Vegetation:

☐ Debris / Trash:

☐ Erosion:

☐ Gate / Fence:

PHENIX CITY Alabama
DEPARTMENT OF ENGINEERING / PUBLIC WORKS
601 12th Street | Phenix City, AL 36867 | Ph: 334-448-2760 | Fx: 334-291-4848 | phenixcityal.gov

☐ Drainage Structures:	
☐ Underground BMPs:	
☑ Other:	Re-inspection. No major deficiencies observed at the time of inspection.

Post-construction stormwater BMPs are subject to an annual inspection under Ordinances 2007-07 and 2017-01. These inspections and upkeep of these BMPs are required for compliance with the Alabama Department of Environmental Management's Municipal Separate Storm Sewer System permit of the National Pollutant Discharge Elimination System. These deficiencies must be corrected within ___ days of receipt of this letter. **A follow-up inspection will be performed by representatives of the City Engineering Department after this period has ended.** Additional maintenance may be needed. If you have any questions, you may contact the Engineering Department at 334-448-2760.

Sincerely,

Angel Moore, P.E.
City Engineer

Sebastian Gonzalez, SW and ESC Coord.

QR Code to the Phenix City Stormwater Management Webpage

Municipal Facility BMP Inspection

List of Municipal Facilities

Cemetery Supply Room (PW Yard)

Fire Station No. 1 – 1910 Crawford Road*

Fire Station No. 3 – 510 South Seale Road*

Fire Station No. 4 – 1300 Airport Road*

Fire Training Center - 1910-A Crawford Road

Lakewood Golf Course – 2800 Lakewood Drive*

Parks and Recreation Maintenance Shop – 1150 Airport Road

Public Safety Building – 1111 Broad Street

Public Works – 1111 Broad Street, Building B*

Utilities Department – 1119 Broad Street

Water Filtration Plant – 1100 32nd Street

Waste Water Treatment Plant – 1600 East State Docks Road

* Denotes that facility has an oil/water separator that drains to sanitary sewer.

MUNICIPAL FACILITY BMP INSPECTION CHECKLIST

Facility Name: Engineering/Pubic Works
Location: Cemetery Supply Room (Public Works Yard)
Department: Cemetery Division
Facility Contact: Adam B. Tilley
Inspection Date: January 16th 2025
Time: 10:00 am
Inspector: Adam B. Tilley

	Yes	No	N/A	Comments
Overall Facility				
Work areas clear of trash, chemicals	✓			
Traffic routes clear of trash, chemicals	✓			
Fencing, gating, or lighting is functional	✓			
Spill control supplies fully stocked	✓			
Signs of erosion in vegetated areas	✓			
Interior Chemical Storage				
Materials stored in designated locations	✓			
SDS sheets available	✓			
Containers labeled	✓			
Containers stored away from driving lanes, aisles, or doorways	✓			
Accumulated liquids in spill pallets			✓	
Waste Storage Area				
Waste containers labeled			✓	
Containers stored away from driving lanes, aisles, or doorways			✓	
Waste containers closed when material is not being added			✓	
Waste containers over 3/4 full			✓	
Accumulated liquids in spill pallets			✓	
Spill control supplies fully stocked			✓	
Driving and Parking Areas				
Stains or puddles of chemicals present			✓	
Vehicle Wash Areas				
Foam or sheen present			✓	
Staining present at the facility outfall(s)			✓	
Other				

MUNICIPAL FACILITY BMP INSPECTION CHECKLIST

Facility Name: Fire Station #1 **Location:** 1910 Crawford Road

Department: Fire **Facility Contact:** Kerry Bragg

Inspection Date: 2/13/2025 **Time:** 1545 hours **Inspector:** Kerry Bragg

	Yes	No	N/A	Comments
Overall Facility				
Work areas clear of trash, chemicals	✓			
Traffic routes clear of trash, chemicals	✓			
Fencing, gating, or lighting is functional	✓			
Spill control supplies fully stocked	✓			
Signs of erosion in vegetated areas		✓		
Interior Chemical Storage				
Materials stored in designated locations	✓			
SDS sheets available			✓	
Containers labeled	✓			
Containers stored away from driving lanes, aisles, or doorways	✓			
Accumulated liquids in spill pallets			✓	
Waste Storage Area				
Waste containers labeled	✓			
Containers stored away from driving lanes, aisles, or doorways	✓			
Waste containers closed when material is not being added	✓			
Waste containers over 3/4 full		✓		
Accumulated liquids in spill pallets			✓	
Spill control supplies fully stocked	✓			
Driving and Parking Areas				
Stains or puddles of chemicals present	✓			Oil staining in parking lot.
Vehicle Wash Areas				
Foam or sheen present		✓		
Staining present at the facility outfall(s)				
Other				

MUNICIPAL FACILITY BMP INSPECTION CHECKLIST

Facility Name: Fire Station #3 **Location:** 510 South Seale Road

Department: Fire **Facility Contact:** Kerry Bragg

Inspection Date: 2/13/2025 **Time:** 1430 hours **Inspector:** Kerry Bragg

	Yes	No	N/A	Comments
Overall Facility				
Work areas clear of trash, chemicals	✓			
Traffic routes clear of trash, chemicals	✓			
Fencing, gating, or lighting is functional	✓			
Spill control supplies fully stocked	✓			
Signs of erosion in vegetated areas	✓			Some erosion near the flag pole snd soccer field.
Interior Chemical Storage				
Materials stored in designated locations	✓			
SDS sheets available			✓	
Containers labeled	✓			
Containers stored away from driving lanes, aisles, or doorways	✓			
Accumulated liquids in spill pallets			✓	
Waste Storage Area				
Waste containers labeled	✓			
Containers stored away from driving lanes, aisles, or doorways	✓			
Waste containers closed when material is not being added	✓			
Waste containers over 3/4 full		✓		
Accumulated liquids in spill pallets			✓	
Spill control supplies fully stocked	✓			
Driving and Parking Areas				
Stains or puddles of chemicals present	✓			Oil staining in parking lot.
Vehicle Wash Areas				
Foam or sheen present		✓		
Staining present at the facility outfall(s)		✓		
Other				

MUNICIPAL FACILITY BMP INSPECTION CHECKLIST

Facility Name: Fire Station #4 **Location:** 1300 Airport Road

Department: Fire **Facility Contact:** Kerry Bragg

Inspection Date: 2/10/2025 **Time:** 1100 hours **Inspector:** Kerry Bragg

	Yes	No	N/A	Comments
Overall Facility				
Work areas clear of trash, chemicals	✓			
Traffic routes clear of trash, chemicals	✓			
Fencing, gating, or lighting is functional	✓			
Spill control supplies fully stocked	✓			
Signs of erosion in vegetated areas		✓		
Interior Chemical Storage				
Materials stored in designated locations	✓			
SDS sheets available			✓	
Containers labeled	✓			
Containers stored away from driving lanes, aisles, or doorways	✓			
Accumulated liquids in spill pallets			✓	
Waste Storage Area				
Waste containers labeled	✓			
Containers stored away from driving lanes, aisles, or doorways	✓			
Waste containers closed when material is not being added	✓			
Waste containers over 3/4 full		✓		
Accumulated liquids in spill pallets			✓	
Spill control supplies fully stocked	✓			
Driving and Parking Areas				
Stains or puddles of chemicals present	✓			Oil staining in parking lot.
Vehicle Wash Areas				
Foam or sheen present		✓		
Staining present at the facility outfall(s)		✓		
Other				

MUNICIPAL FACILITY BMP INSPECTION CHECKLIST

Facility Name: Fire Training Center **Location:** 1910-A Crawford Road

Department: Fire **Facility Contact:** Kerry Bragg

Inspection Date: 2/13/2025 **Time:** 1615 hours **Inspector:** Kerry Bragg

	Yes	No	N/A	Comments
Overall Facility				
Work areas clear of trash, chemicals	✓			
Traffic routes clear of trash, chemicals	✓			
Fencing, gating, or lighting is functional	✓			
Spill control supplies fully stocked	✓			
Signs of erosion in vegetated areas		✓		
Interior Chemical Storage				
Materials stored in designated locations	✓			
SDS sheets available			✓	
Containers labeled	✓			
Containers stored away from driving lanes, aisles, or doorways	✓			
Accumulated liquids in spill pallets			✓	
Waste Storage Area				
Waste containers labeled	✓			
Containers stored away from driving lanes, aisles, or doorways	✓			
Waste containers closed when material is not being added	✓			
Waste containers over 3/4 full		✓		
Accumulated liquids in spill pallets			✓	
Spill control supplies fully stocked	✓			
Driving and Parking Areas				
Stains or puddles of chemicals present	✓			Oil staining in parking lot.
Vehicle Wash Areas				
Foam or sheen present		✓		
Staining present at the facility outfall(s)				
Other				

MUNICIPAL FACILITY BMP INSPECTION CHECKLIST

Facility Name: Lakewood GC
Location: Lakewood GC
Department: Parks and Recreation
Facility Contact: Mike Barber
Inspection Date: 1/24/25
Time:
Inspector: Mike Barber/Whitney Thompson

	Yes	No	N/A	Comments
Overall Facility				
Work areas clear of trash, chemicals	✓			
Traffic routes clear of trash, chemicals	✓			
Fencing, gating, or lighting is functional	✓			
Spill control supplies fully stocked	✓			
Signs of erosion in vegetated areas	✓			
Interior Chemical Storage				
Materials stored in designated locations	✓			
SDS sheets available	✓			
Containers labeled	✓			
Containers stored away from driving lanes, aisles, or doorways	✓			
Accumulated liquids in spill pallets			✓	
Waste Storage Area				
Waste containers labeled			✓	
Containers stored away from driving lanes, aisles, or doorways			✓	
Waste containers closed when material is not being added			✓	
Waste containers over 3/4 full			✓	
Accumulated liquids in spill pallets			✓	
Spill control supplies fully stocked			✓	
Driving and Parking Areas				
Stains or puddles of chemicals present		✓		
Vehicle Wash Areas				
Foam or sheen present			✓	
Staining present at the facility outfall(s)		✓		
Other				

MUNICIPAL FACILITY BMP INSPECTION CHECKLIST

Facility Name: Maintenance Shop **Location:** 1150 Airport Rd.

Department: Parks & Recreation **Facility Contact:** Chris Johnson

Inspection Date: 2/10/2025 **Time:** 8:30 AM **Inspector:** Chris Johnson

	Yes	No	N/A	Comments
Overall Facility				
Work areas clear of trash, chemicals	☑	☐	☐	
Traffic routes clear of trash, chemicals	☑	☐	☐	
Fencing, gating, or lighting is functional	☑	☐	☐	
Spill control supplies fully stocked	☑	☐	☐	
Signs of erosion in vegetated areas	☐	☑	☐	
Interior Chemical Storage				
Materials stored in designated locations	☑	☐	☐	
SDS sheets available	☑	☐	☐	
Containers labeled	☑	☐	☐	
Containers stored away from driving lanes, aisles, or doorways	☑	☐	☐	
Accumulated liquids in spill pallets	☑	☐	☐	
Waste Storage Area				
Waste containers labeled	☑	☐	☐	
Containers stored away from driving lanes, aisles, or doorways	☑	☐	☐	
Waste containers closed when material is not being added	☑	☐	☐	
Waste containers over 3/4 full	☐	☑	☐	
Accumulated liquids in spill pallets	☑	☐	☐	
Spill control supplies fully stocked	☑	☐	☐	
Driving and Parking Areas				
Stains or puddles of chemicals present	☐	☑	☐	
Vehicle Wash Areas				
Foam or sheen present	☐	☑	☐	
Staining present at the facility outfall(s)	☐	☑	☐	
Other				
	☐	☐	☐	
	☐	☐	☐	

MUNICIPAL FACILITY BMP INSPECTION CHECKLIST

Facility Name: Phenix City Public Safety Building
Location: 1111 Broad St Phenix City, Al. 36867
Department: Phenix City Police Department
Facility Contact: Sgt. Adam Avery
Inspection Date: 01/08/2025 **Time:** 0930
Inspector: Sgt. Adam Avery

	Yes	No	N/A	Comments
Overall Facility				
Work areas clear of trash, chemicals	✓			
Traffic routes clear of trash, chemicals	✓			
Fencing, gating, or lighting is functional	✓			
Spill control supplies fully stocked			✓	
Signs of erosion in vegetated areas			✓	
Interior Chemical Storage				
Materials stored in designated locations			✓	
SDS sheets available			✓	
Containers labeled			✓	
Containers stored away from driving lanes, aisles, or doorways			✓	
Accumulated liquids in spill pallets			✓	
Waste Storage Area				
Waste containers labeled			✓	
Containers stored away from driving lanes, aisles, or doorways			✓	
Waste containers closed when material is not being added			✓	
Waste containers over 3/4 full			✓	
Accumulated liquids in spill pallets			✓	
Spill control supplies fully stocked			✓	
Driving and Parking Areas				
Stains or puddles of chemicals present		✓		
Vehicle Wash Areas				
Foam or sheen present		✓		
Staining present at the facility outfall(s)		✓		
Other				

MUNICIPAL FACILITY BMP INSPECTION CHECKLIST

Facility Name: CITY OF PHENIX CITY **Location:** PHENIX CITY AL.

Department: PUBLIC WORKS S&D **Facility Contact:** DANIEL THOMAS (334) 448-2904

Inspection Date: 01-17-20-25 **Time:** 10-30 AM **Inspector:** CLINTON BATSON

	Yes	No	N/A	Comments
Overall Facility				
Work areas clear of trash, chemicals	☑	☐	☐	
Traffic routes clear of trash, chemicals	☑	☐	☐	
Fencing, gating, or lighting is functional	☑	☐	☐	
Spill control supplies fully stocked	☑	☐	☐	
Signs of erosion in vegetated areas	☐	☒	☐	IMMEDIATE EROSION ADDRESSED
Interior Chemical Storage				
Materials stored in designated locations	☑	☐	☐	
SDS sheets available	☑	☐	☐	
Containers labeled	☑	☐	☐	
Containers stored away from driving lanes, aisles, or doorways	☑	☐	☐	
Accumulated liquids in spill pallets	☐	☐	☐	
Waste Storage Area				
Waste containers labeled	☑	☐	☐	
Containers stored away from driving lanes, aisles, or doorways	☑	☐	☐	
Waste containers closed when material is not being added	☑	☐	☐	
Waste containers over 3/4 full	☐	☒	☐	
Accumulated liquids in spill pallets	☑	☐	☐	
Spill control supplies fully stocked	☑	☐	☐	
Driving and Parking Areas				
Stains or puddles of chemicals present	☐	☒	☐	
Vehicle Wash Areas				
Foam or sheen present	☐	☒	☐	
Staining present at the facility outfall(s)	☐	☒	☐	
Other				
	☐	☐	☐	
	☐	☐	☐	

MUNICIPAL FACILITY BMP INSPECTION CHECKLIST

Facility Name: City of Phenix City
Location: 1119 Broad Street
Department: Utilities
Facility Contact: Denorris Wiilliams
Inspection Date: 1-29-25
Time: 1:00 pm
Inspector: Denorris Williams

	Yes	No	N/A	Comments
Overall Facility				
Work areas clear of trash, chemicals	✓			
Traffic routes clear of trash, chemicals	✓			
Fencing, gating, or lighting is functional	✓			
Spill control supplies fully stocked	✓			
Signs of erosion in vegetated areas		✓		
Interior Chemical Storage				
Materials stored in designated locations	✓			
SDS sheets available	✓			
Containers labeled	✓			
Containers stored away from driving lanes, aisles, or doorways	✓			
Accumulated liquids in spill pallets		✓		
Waste Storage Area				
Waste containers labeled	✓			
Containers stored away from driving lanes, aisles, or doorways	✓			
Waste containers closed when material is not being added	✓			
Waste containers over 3/4 full		✓		
Accumulated liquids in spill pallets		✓		
Spill control supplies fully stocked	✓			
Driving and Parking Areas				
Stains or puddles of chemicals present		✓		
Vehicle Wash Areas				
Foam or sheen present		✓		
Staining present at the facility outfall(s)		✓		
Other				

Training Certifications

ADEM
Alabama Department of Environmental Management

QCI Training Program

thompson
ENGINEERING

Certificate of Completion

is hereby granted to:

Erik Campbell

City of Phenix City - Engineering Dept.

for satisfactory completion of

Online Initial Training

QCI No. T8571

Expires 10/29/2025

This certificate confers six (6.0) professional development hours (PDHs) to students who require credits for licenses or certifications.
Such PDHs are subject to the qualifying requirements of the licensing or certifying organization.

ADEM
Alabama Department of Environmental Management

QCI Training Program

thompson
ENGINEERING

Certificate of Completion

is hereby granted to:

Sebastian Gonzalez

City of Phenix City Engineering

for satisfactory completion of

Online Refresher Training

QCI No. T7777

Expires 02/09/2026

This certificate confers four (4.0) professional development hours (PDHs) to students who require credits for licenses or certifications.
Such PDHs are subject to the qualifying requirements of the licensing or certifying organization.

Water Monitoring

Auburn Environmental Consulting & Testing

Alabama Office
334/745-0055 or 800/662-1584
Fax: 334/745-3095
TBrantly@AuburnEnvironmental.com
6485 LEE ROAD 54 AUBURN, AL 36830

Colorado Office
1-800-408-0083
MWallace@AuburnEnvironmental.com
PO BOX 271716 FT. COLLINS, CO 80527

REPORT OF ANALYSIS

PHENIX CITY ENGINEERING DEPT.
1207- 7TH AVENUE
PHENIX CITY, AL 36868

SAMPLE DATE/TIME: 26 JUN 24/0925
SAMPLE # 159815/159816/159817/159818
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 1 – HOLLAND CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	7.7 mg/l	SM5210B	AB	06-27-24	1940
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TAL	07-02-24	1349
TKN	<1.00 mg/l	A4500-NH3-D	HDJ	07-10-24	1100
NITRATE+NITRITE	0.439 mg/l	300.0	TAL	07-05-24	1102
TOTAL PHOSPHORUS	0.0256 mg/l	SM4500-P-E	RJE	07-16-24	1130

SAMPLE DATE/TIME: 26 JUN 24/0955
SAMPLE # 159819/159820/159821/159822
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 2 - HOLLAND "MILL" CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	06-27-24	1940
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TAL	07-02-24	1419
TKN	<1.00 mg/l	A4500-NH3-D	HDJ	07-10-24	1100
NITRATE+NITRITE	0.472 mg/l	300.0	TAL	07-05-24	1220
TOTAL PHOSPHORUS	0.0209 mg/l	SM4500-P-E	RJE	07-16-24	1130

SAMPLE DATE/TIME: 26 JUN 24/0909
SAMPLE # 159823/159824/159825/159826
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 3 – MILL CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	06-27-24	1940
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TAL	07-02-24	1449
TKN	<1.00 mg/l	A4500-NH3-D	HDJ	07-10-24	1100
NITRATE+NITRITE	<0.300 mg/l	300.0	TAL	07-05-24	1337
TOTAL PHOSPHORUS	0.0494 mg/l	SM4500-P-E	RJE	07-16-24	1130

SAMPLE DATE/TIME: 26 JUN 24/0938
SAMPLE # 159827/159828/159829/159830
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 4 - MILL CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	06-27-24	1940
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TAL	07-02-24	1520
TKN	<1.00 mg/l	A4500-NH3-D	HDJ	07-10-24	1100
NITRATE+NITRITE	0.328 mg/l	300.0	TAL	07-05-24	1403
TOTAL PHOSPHORUS	0.0447 mg/l	SM4500-P-E	RJE	07-16-24	1130

SAMPLES ANALYZED ACCORDING TO:

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 20TH EDITION, 1998.
EPA METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 600/4-79-020 MARCH 1983
RESULTS CALCULATED ON A WEIGHT BASIS

REPORT APPROVED BY:

THOMAS BRANTLY, JR
LABORATORY MANAGER

REVIEWED BY:

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **1 – HOLLAND CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
159815	CBOD: PRESERVED 4°C	6-26-24	0925	Sebastian Gonzalez
159816	ORTHOPHOSPHATE: PRESERVED 4°C	6-26-24	0925	Sebastian Gonzalez
159817	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	6-26-24	0925	Sebastian Gonzalez
159818	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	6-26-24	0925	Sebastian Gonzalez

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X _____	DATE/TIME: _____		
RECEIVED BY: X Chi Ru	DATE/TIME: 26 JUN 24 1:30PM		X
TRANSFERRED BY: X _____	DATE/TIME: _____		
RECEIVED BY: X Chi Ru (LABORATORY)	DATE/TIME: 26 JUN 24 2:50PM		X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: <4

SAMPLES STORED IN REFRIGERATOR ID#: 581 THERMOMETER ID#: 392

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **2 – HOLLAND "MILL" CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
159819	CBOD: PRESERVED 4°C	6-26-24	0955	Sebastian Gonzalez
159820	ORTHOPHOSPHATE: PRESERVED 4°C	6-26-24	0955	Sebastian Gonzalez
159821	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	6-26-24	0955	Sebastian Gonzalez
159822	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	6-26-24	0955	Sebastian Gonzalez

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X _____	DATE/TIME: _____		
RECEIVED BY: X Chi Ru	DATE/TIME: 26 Jun 24 1:30 PM		X
TRANSFERRED BY: X _____	DATE/TIME: _____		
RECEIVED BY: X Chi Ru (LABORATORY)	DATE/TIME: 26 Jun 24 2:55 PM		X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: <4°C

SAMPLES STORED IN REFRIGERATOR ID#: 581 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **3 – MILL CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
159823	CBOD: PRESERVED 4°C	6-26-24	0909	Sebastian Gonzalez
159824	ORTHOPHOSPHATE: PRESERVED 4°C	6-26-24	0909	Sebastian Gonzalez
159825	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	6-26-24	0909	Sebastian Gonzalez
159826	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	6-26-24	0909	Sebastian Gonzalez

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X _____	DATE/TIME:		
RECEIVED BY: X Chi R	DATE/TIME: 26Jun24 1:30PM		X
TRANSFERRED BY: X _____	DATE/TIME:		
RECEIVED BY: X Chi (LABORATORY)	DATE/TIME: 26 Jun 24 3:00PM		X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: 4°C

SAMPLES STORED IN REFRIGERATOR ID#: 581 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **4 – MILL CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
159827	CBOD: PRESERVED 4°C	6-26-24	0938	Sebastian Gonzalez
159828	ORTHOPHOSPHATE: PRESERVED 4°C	6-26-24	0938	Sebastian Gonzalez
159829	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	6-26-24	0938	Sebastian Gonzalez
159830	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	6-26-24	0938	Sebastian Gonzalez

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X _____	DATE/TIME: _____		
RECEIVED BY: X Chi R	DATE/TIME: 26 Jun 24 1:30PM		X
TRANSFERRED BY: X _____	DATE/TIME: _____		
RECEIVED BY: X Chi (LABORATORY)	DATE/TIME: 26 Jun 24 3:05PM		X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: <4°C

SAMPLES STORED IN REFRIGERATOR ID#: 581 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

Auburn Environmental Consulting & Testing

Alabama Office
334/745-0055 or 800/662-1584
Fax: 334/745-3095
TBrantly@AuburnEnvironmental.com
6485 LEE ROAD 54 AUBURN, AL 36830

Colorado Office
1-800-408-0083
MWallace@AuburnEnvironmental.com
PO BOX 271716 FT. COLLINS, CO 80527

REPORT OF ANALYSIS

PHENIX CITY ENGINEERING DEPT.
1210- 7TH AVENUE
PHENIX CITY, AL 36868

SAMPLE DATE/TIME: 18 SEP 24/0944
SAMPLE # 160530/160531/160532/160533
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 1 – HOLLAND CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	09-19-24	1850
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	HDJ	09-19-24	1043
TKN	<1.00 mg/l	A4500-NH3-D	BJT	10-02-24	1230
NITRATE+NITRITE	<0.300 mg/l	300.0	TAL	10-01-24	0849
TOTAL PHOSPHORUS	0.0359 mg/l	SM4500-P-E	HDJ	10-08-24	1015

SAMPLE DATE/TIME: 18 SEP 24/1015
SAMPLE # 160534/160535/160536/160537
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 2 - HOLLAND "MILL" CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	09-19-24	1850
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	HDJ	09-19-24	1107
TKN	<1.00 mg/l	A4500-NH3-D	BJT	10-02-24	1230
NITRATE+NITRITE	<0.300 mg/l	300.0	HDJ	10-01-24	0918
TOTAL PHOSPHORUS	0.118 mg/l	SM4500-P-E	HDJ	10-08-24	1015

SAMPLE DATE/TIME: 18 SEP 24/0921
SAMPLE # 160538/160539/160540/160541
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 3 – MILL CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	09-19-24	1850
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	HDJ	09-19-24	1132
TKN	<1.00 mg/l	A4500-NH3-D	BJT	10-02-24	1230
NITRATE+NITRITE	<0.300 mg/l	300.0	HDJ	10-01-24	0947
TOTAL PHOSPHORUS	0.884 mg/l	SM4500-P-E	HDJ	10-08-24	1015

SAMPLE DATE/TIME: 18 SEP 24/0956
SAMPLE # 160542/160543/160544/160545
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 4 - MILL CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	<1.0 mg/l	SM5210B	AB	09-19-24	1850
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	HDJ	09-19-24	1156
TKN	<1.00 mg/l	A4500-NH3-D	BJT	10-02-24	1230
NITRATE+NITRITE	0.306 mg/l	300.0	HDJ	10-01-24	1016
TOTAL PHOSPHORUS	<0.0200 mg/l	SM4500-P-E	HDJ	10-08-24	1015

SAMPLES ANALYZED ACCORDING TO

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 20TH EDITION, 1998
EPA METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 600/4-79-020 JUNCH 1983
RESULTS CALCULATED ON A WEIGHT BASIS

REPORT APPROVED BY:

THOMAS BRANTLY, JR
LABORATORY MANAGER

REVIEWED BY:

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – 1 – **HOLLAND CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
160530	CBOD: PRESERVED 4°C	9-18-24	0944	Sebastian Gonzalez
160531	ORTHOPHOSPHATE: PRESERVED 4°C	9-18-24	0944	Sebastian Gonzalez
160532	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	9-18-24	0944	Sebastian Gonzalez
160533	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	9-18-24	0944	Sebastian Gonzalez

SAMPLE CHAIN OF CUSTODY:

			COURIER YES	COURIER NO
TRANSFERRED BY: X		DATE/TIME:		
RECEIVED BY: X		DATE/TIME: 18 Sep 24 1145		X
TRANSFERRED BY: X		DATE/TIME: 18 Sep 24 1450		X
RECEIVED BY: X (LABORATORY)		DATE/TIME: 18 Sept 24 14:27		

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: 4

SAMPLES STORED IN REFRIGERATOR ID#: 581 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : pH 4 pH 7 pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **2 – HOLLAND "MILL" CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
160534	CBOD: PRESERVED 4°C	9-18-24	1015	Sebastian Gonzalez
160535	ORTHOPHOSPHATE: PRESERVED 4°C	9-18-24	1015	Sebastian Gonzalez
160536	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	9-18-24	1015	Sebastian Gonzalez
160537	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	9-18-24	1015	Sebastian Gonzalez

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X	DATE/TIME:		
RECEIVED BY: X	DATE/TIME: 18 Sep 24 1145		X
TRANSFERRED BY: X	DATE/TIME: 18 Sep 24 1245		X
RECEIVED BY: X (LABORATORY) Tanner S.	DATE/TIME: 18 Sep 24 14:27		

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: 4

SAMPLES STORED IN REFRIGERATOR ID#: 581 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : pH 4 pH 7 pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **3 – MILL CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
160538	CBOD: PRESERVED 4°C	9-18-24	0921	Sebastian Gonzalez
160539	ORTHOPHOSPHATE: PRESERVED 4°C	9-18-24	0921	Sebastian Gonzalez
160540	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	9-18-24	0921	Sebastian Gonzalez
160541	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	9-18-24	0921	Sebastian Gonzalez

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X	DATE/TIME:		
RECEIVED BY: X	DATE/TIME: 18 Sep 24 1445		X
TRANSFERRED BY: X	DATE/TIME: 18 Sep 24 1460		X
RECEIVED BY: X Tanner S. (LABORATORY)	DATE/TIME: 18 Sept 24 14:27		

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: 4

SAMPLES STORED IN REFRIGERATOR ID#: 581 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **4 – MILL CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
160542	CBOD: PRESERVED 4°C	9-18-24	0956	Sebastian Gonzalez
160543	ORTHOPHOSPHATE: PRESERVED 4°C	9-18-24	0956	Sebastian Gonzalez
160544	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	9-18-24	0956	Sebastian Gonzalez
160545	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	9-18-24	0956	Sebastian Gonzalez

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X _____	DATE/TIME: _____		
RECEIVED BY: X _____	DATE/TIME: 18 Sept 24 1145		X
TRANSFERRED BY: X _____	DATE/TIME: 18 Sept 24 1400		X
RECEIVED BY: X _____ (LABORATORY)	DATE/TIME: _____		

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: 4

SAMPLES STORED IN REFRIGERATOR ID#: 581 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

Auburn Environmental Consulting & Testing

Alabama Office
334/745-0055 or 800/662-1584
Fax: 334/745-3095
TBrantly@AuburnEnvironmental.com
6485 LEE ROAD 54 AUBURN, AL 36830

Colorado Office
1-800-408-0083
MWallace@AuburnEnvironmental.com
PO BOX 271716 FT. COLLINS, CO 80527

REPORT OF ANALYSIS

PHENIX CITY ENGINEERING DEPT.
1201- 7TH AVENUE
PHENIX CITY, AL 36868

SAMPLE DATE/TIME: 18 DEC 24/1018
SAMPLE # 161462/161463/161464/161465
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 1 – HOLLAND CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	1.9 mg/l	SM5210B	AB	12-19-24	1945
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TAL	12-19-24	1149
TKN	<1.00 mg/l	A4500-NH3-D	BJT	12-31-24	1130
NITRATE+NITRITE	<0.300 mg/l	300.0	TAL	12-28-24	0133
TOTAL PHOSPHORUS	<0.0200 mg/l	SM4500-P-E	HDJ	01-06-24	1040

SAMPLE DATE/TIME: 18 DEC 24/1049
SAMPLE # 161466/161467/161468/161469
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 2 - HOLLAND "MILL" CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	1.8 mg/l	SM5210B	AB	12-19-24	1945
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TAL	12-19-24	1305
TKN	<1.00 mg/l	A4500-NH3-D	BJT	12-31-24	1130
NITRATE+NITRITE	<0.300 mg/l	300.0	TAL	12-28-24	0158
TOTAL PHOSPHORUS	<0.0200 mg/l	SM4500-P-E	HDJ	01-06-24	1040

SAMPLE DATE/TIME: 18 DEC 24/1005
SAMPLE # 161470/161471/161472/161473
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 3 – MILL CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	1.9 mg/l	SM5210B	AB	12-19-24	1945
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TAL	12-19-24	1329
TKN	<1.00 mg/l	A4500-NH3-D	BJT	12-31-24	1130
NITRATE+NITRITE	<0.300 mg/l	300.0	TAL	12-28-24	0224
TOTAL PHOSPHORUS	<0.0200 mg/l	SM4500-P-E	HDJ	01-06-24	1040

SAMPLE DATE/TIME: 18 DEC 24/1030
SAMPLE # 161474/161475/161476/161477
SAMPLE TYPE: CREEK SAMPLE
LOCATION: 4 - MILL CREEK

PARAMETER	ANALYSIS	METHOD	ANALYST	DATE	TIME
CBOD	1.6 mg/l	SM5210B	AB	12-19-24	1945
ORTHOPHOSPHATE	<0.100 mg/l	E300.0	TAL	12-19-24	1353
TKN	<1.00 mg/l	A4500-NH3-D	BJT	12-31-24	1130
NITRATE+NITRITE	<0.300 mg/l	300.0	TAL	12-28-24	0249
TOTAL PHOSPHORUS	<0.0200 mg/l	SM4500-P-E	HDJ	01-06-24	1040

SAMPLES ANALYZED ACCORDING TO:

STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER, 20TH EDITION, 1998.
EPA METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 600/4-79-020 JUNCH 1983.
RESULTS CALCULATED ON A WEIGHT BASIS

REPORT APPROVED BY:

THOMAS BRANTLY, JR
LABORATORY MANAGER

REVIEWED BY:

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **1 – HOLLAND CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
161462	CBOD: PRESERVED 4°C	12-18-24	1018	Sebastian Gonzalez
161463	ORTHOPHOSPHATE: PRESERVED 4°C	12-18-24	1018	Sebastian Gonzalez
161464	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	12-18-24	1018	Sebastian Gonzalez
161465	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	12-18-24	1018	Sebastian Gonzalez

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X _____	DATE/TIME: _____		
RECEIVED BY: X [signature]	DATE/TIME: 18 Dec 24		X
TRANSFERRED BY: X _____	DATE/TIME: 1:15 PM		
RECEIVED BY: X [signature] (LABORATORY)	DATE/TIME: 18 Dec 24 2:20 PM		X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: <4°C

SAMPLES STORED IN REFRIGERATOR ID#: 581 THERMOMETER ID#: 392

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **2 – HOLLAND "MILL" CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
161466	CBOD: PRESERVED 4°C	12-18-24	1049	Sebastian Gonzalez
161467	ORTHOPHOSPHATE: PRESERVED 4°C	12-18-24	1049	Sebastian Gonzalez
161468	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	12-18-24	1049	Sebastian Gonzalez
161469	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	12-18-24	1049	Sebastian Gonzalez

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X _____	DATE/TIME: _____		
RECEIVED BY: X [signature]	DATE/TIME: 18 Dec 24 1:15 PM		
TRANSFERRED BY: X _____	DATE/TIME: _____		
RECEIVED BY: X [signature] (LABORATORY)	DATE/TIME: 18 Dec 24 2:25 PM		X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: <4 °C

SAMPLES STORED IN REFRIGERATOR ID#: 581 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **3 – MILL CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
161470	CBOD: PRESERVED 4°C	12-18-24	1005	Sebastian Gonzalez
161471	ORTHOPHOSPHATE: PRESERVED 4°C	12-18-24	1005	Sebastian Gonzalez
161472	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	12-18-24	1005	Sebastian Gonzalez
161473	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	12-18-24	1005	Sebastian Gonzalez

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X _____	DATE/TIME: _____		
RECEIVED BY: X [signature]	DATE/TIME: 18 Dec 24 1:15 PM		X
TRANSFERRED BY: X _____	DATE/TIME: _____		
RECEIVED BY: X [signature] (LABORATORY)	DATE/TIME: 18 Dec 24 2:28 PM		X

PLEASE DO NOT WRITE BELOW THIS LINE

TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: <4°C

SAMPLES STORED IN REFRIGERATOR ID#: 581 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

SAMPLE/COLLECTION TRANSMITTAL FORM

ACT PROJECT NO.: 404-1000
STUDY: NPDES

TRANSFER TO: AUBURN ENVIRONMENTAL
6485 LEE ROAD 54
AUBURN, AL 36830
(334) 745-0055

CLIENT: CITY OF PHENIX CITY
LOCATION: PHENIX CITY, AL
PROJECT: 4482-16-055
SAMPLE LOCATION – **4 – MILL CREEK**

MATRIX: (circle one) LIQUID SOLID

SAMPLE# LAB USE ONLY	ANALYSIS, MEASUREMENT	DATE COLLECTED	TIME COLLECTED	PERSON COLLECTING
161474	CBOD: PRESERVED 4°C	12-18-24	1030	Sebastian Gonzalez
161475	ORTHOPHOSPHATE: PRESERVED 4°C	12-18-24	1030	Sebastian Gonzalez
161476	NITRATE+NITRITE, TKN: PRESERVED 4°C, H_2SO_4	12-18-24	1030	Sebastian Gonzalez
161477	TOTAL PHOSPHORUS: PRESERVED H_2SO_4	12-18-24	1030	Sebastian Gonzalez

SAMPLE CHAIN OF CUSTODY:

		COURIER YES	COURIER NO
TRANSFERRED BY: X _____	DATE/TIME: _____		
RECEIVED BY: X Chi	DATE/TIME: 18 Dec 24 1:15 PM		X
TRANSFERRED BY: X _____	DATE/TIME: _____		
RECEIVED BY: X Chi (LABORATORY)	DATE/TIME: 18 Dec 24 2:32 PM		X

PLEASE DO NOT WRITE BELOW THIS LINE

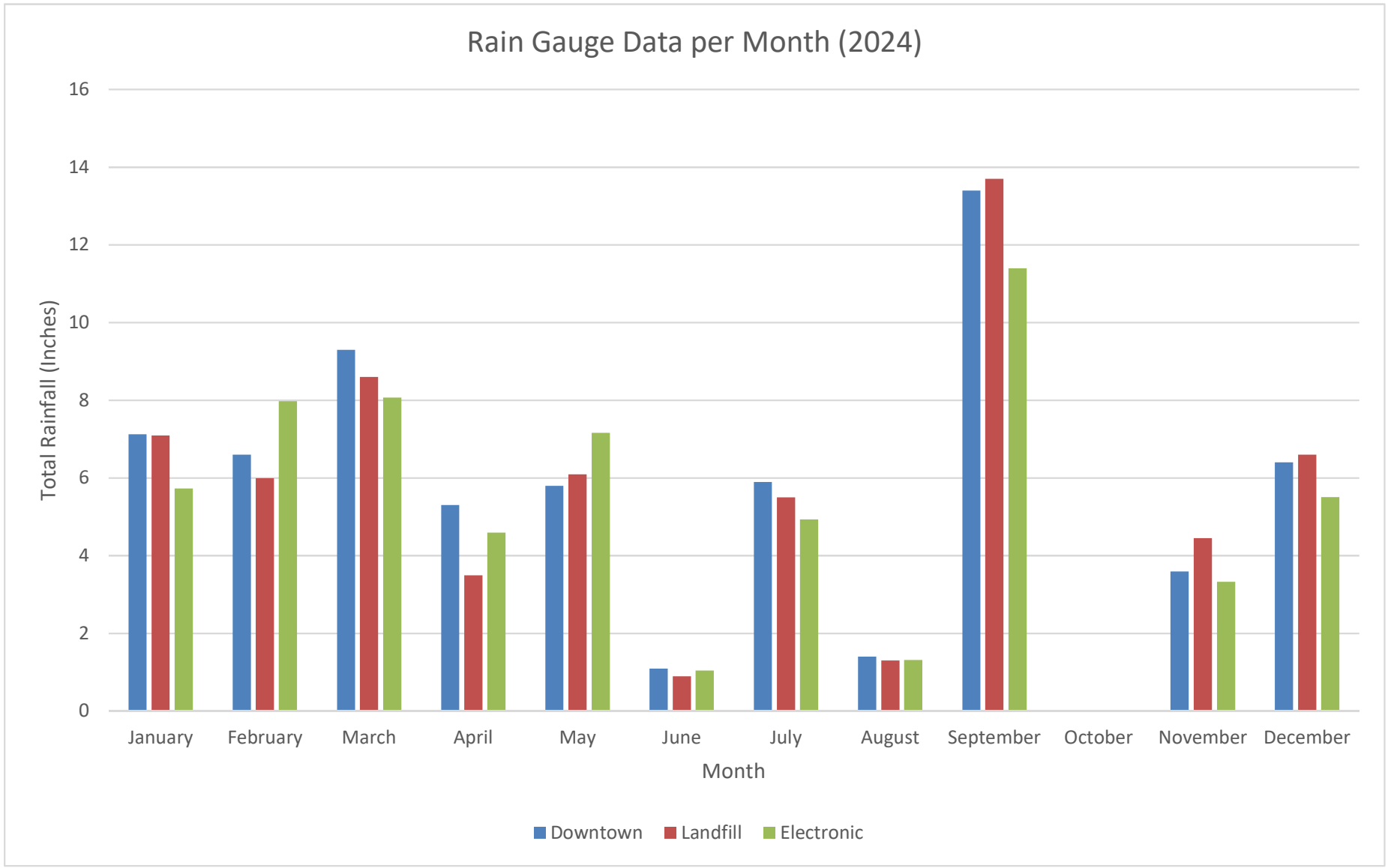
TEMPERATURE OF SAMPLES WHEN REC'D BY LAB: 4°C

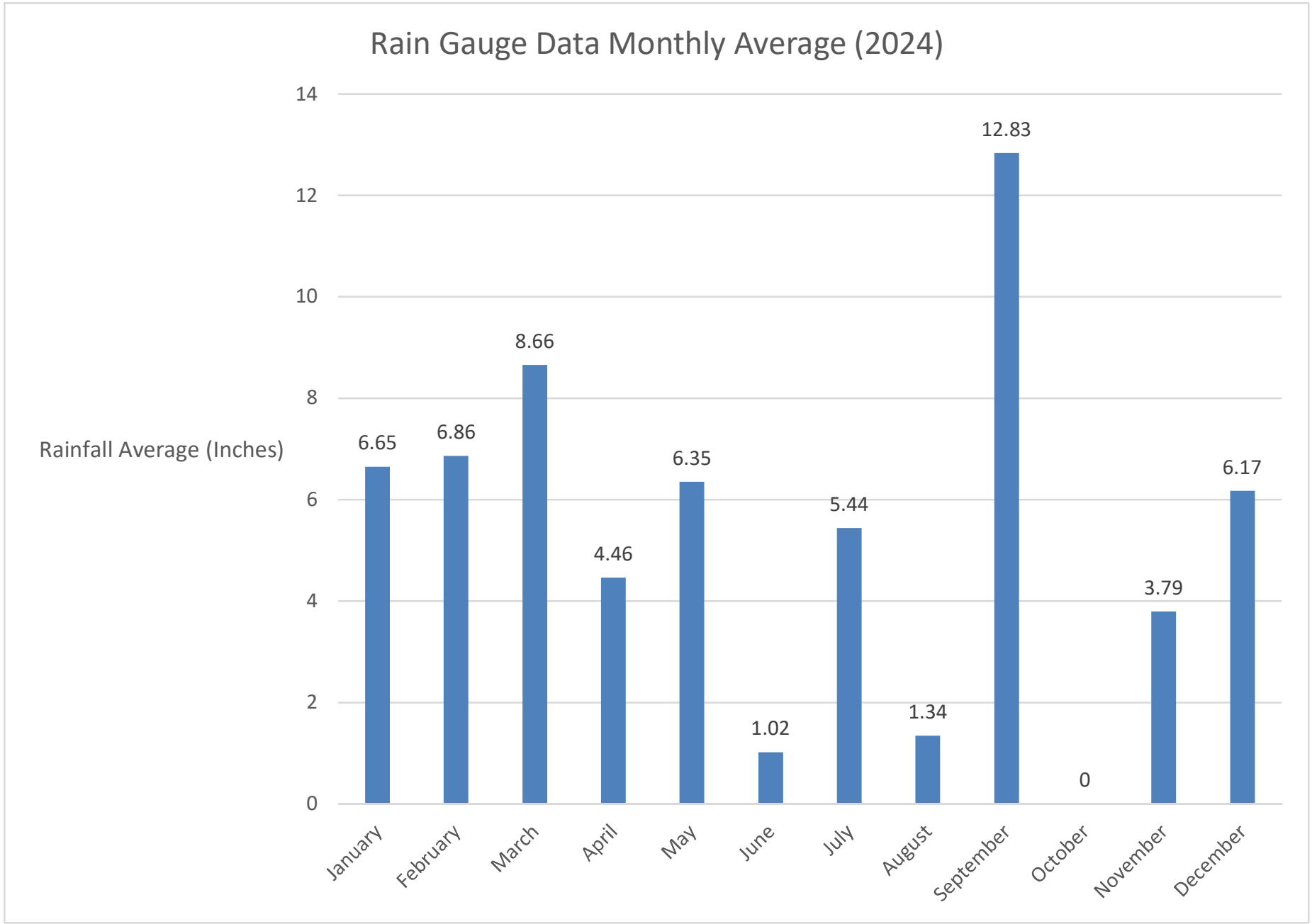
SAMPLES STORED IN REFRIGERATOR ID#: 581 THERMOMETER ID#: 372

SHIPPED BY: AECT TRACKING #: N/A

pH Calibration : ___pH 4_____pH 7_____pH 10

Rainfall Data


Rain Gauge Data per Month (2024)
16
14
12
10
8
6
4
2
0
Total Rainfall (Inches)
January
February
March
April
May
June
July
August
September
October
November
December
Month
Downtown
Landfill
Electronic


Rain Gauge Data Monthly Average (2024)
Rainfall Average (Inches)
14
12
10
8
6
4
2
0
6.65
6.86
8.66
4.46
6.35
1.02
5.44
1.34
12.83
0
3.79
6.17
January
February
March
April
May
June
July
August
September
October
November
December

Date	Yard Rainfall	Landfill Rainfall	Electronic Gauge	Comments	Average
	Inches	Inches	Inches		
1/9/2023	3.9	4.0	3.35	1/5/2024 - 1/9/2024	3.75
1/11/2024	0.4	0.3	0.3		0.33
1/23/2024	0.8	0.8	0.85		0.82
1/24/2024	2.0	2.0	1.23		1.74
Total	7.1	7.09	5.73		**6.65**
2/5/2024	0.9	1.9	1.14	Weekend total (3-4 Feb 2024)	1.31
2/12/2024	5.3	3.7	6.4	Weekend total (10-11 Feb 2024)	5.13
2/22/2024	0.1	0.1	0.05		0.08
2/28/2024	0.3	0.3	0.39		0.33
Total	6.6	6	7.98		**6.86**
3/4/2024	2.0	1.6	1.33	Weekend total (1-3 Mar 2024)	1.64
3/4/2024	0.1	0.1	0.01		0.07
3/6/2024	0.5	0.7	0.46		0.55
3/11/2024	3.3	2.5	3.24	Weekend total (9-10 Mar 2024)	3.01
3/18/2024	1.8	2.2	1.51	14-17 Mar 2024	1.84
3/24/2024	1.1	1.0	1.1		1.07
3/26/2024	0.5	0.5	0.42		0.47
Total	9.3	8.6	8.07		**8.66**
4/1/2024	1.8	1	1.58		1.46
4/7/2024	0.1	0.1	0.06		0.09
4/10/2024	1.7	1.7	1.56		1.65
4/22/2024	1.7	0.7	1.39	Weekend total (20-21 Apr 2024)	1.26
Total	5.3	3.5	4.59		**4.46**
5/6/2024	0.1	0.1	0.05	Weekend total (4-5 May 2024)	0.08
5/8/2024	1.6	1.4	1.44		1.48
5/9/2024	1.3	1.6	0.86		1.23
5/13/2024	0.6	0.6	0.37		0.52
5/20/2024	2.0	2.2	1.84	Weekend total (18-19 May 2024)	2.01
5/28/2024	0.2	0.2	2.6	Weekend total (25-27 May 2024)	1.00
Total	5.8	6.1	7.16		**6.35**
6/4/2024	0.5	0.6	0.41		0.50
6/23/2024	0.3	0.3	0.24		0.28
6/24/2024	0.1	0	0.24		0.11
6/27/2024	0.2	0	0.16		0.12
Total	1.1	0.9	1.05		**1.02**

Date	Yard Rainfall	Landfill Rainfall	Electronic Gauge	Comments	Average
7/1/2024	0.7	0	0.63	Weekend total (29-30 June 2024)	0.44
7/9/2024	0.2	0.5	0.23	Weekend total (4-9 July 2024)	0.31
7/9/2024	0.1	0.1	0.07		0.09
7/16/2024	0.9	0.2	0.72		0.61
7/17/2024	0.1	0.5	0.04		0.21
7/22/2024	1	1.9	0.58	Weekend total (19-21 July 2024)	1.16
7/22/2024	0.1	0.1	0.04		0.08
7/23/2024	0.4	0.5	0.45		0.45
7/24/2024	1.3	1.1	1.15		1.18
7/25/2024	0.5	0.2	0.36		0.35
7/29/2024	0.6	0.4	0.66	Weekend total (27-28 July 2024)	0.55
Total	5.9	5.5	4.93		**5.44**
8/18/2024	0.3	0.3	0.3	Weekend total (17-18 August 2024)	0.30
8/21/2024	0.8	0.8	0.77		0.79
8/30/2024	0.3	0.2	0.25		0.25
Total	1.4	1.3	1.32		**1.34**
9/3/2024	0	0.4	0.01	Labor Day Weekend total (Aug31-Sep2)	0.14
9/9/2024	0.2	0.5	0.26	Weekend total (Sep7-Sep8)	0.32
9/11/2024	0.8	1.2	0.94	Checked on 9/12/2024 0900	0.98
9/12/2024	3.5	4	3.24	Checked on 9/13/2024 0900	3.58
9/16/2024	2.5	2	1.41	Weekend total (Sep13-15)	1.97
9/25/2024	2	1.4	1.66		1.69
9/26/2024	4.4	4.2	3.88		4.16
Total	13.4	13.7	11.4		**12.83**
No measurable rainfall in October					
Total	0	0	0		**0.00**
11/6/2024	0.5	0.5	0.49		0.50
11/11/2024	0	0.4	0		0.13
11/13/2024	0	0.15	0		0.05
11/19/2024	2.7	3	2.48		2.73
11/25/2024	0.4	0.4	0.36		0.39
Total	3.6	4.45	3.33		**3.79**
12/9/2024	1.2	2	1.09		1.43
12/10/2024	2.8	2.6	2.38		2.59
12/26/2024	0.1	0.1	0.09		0.10
12/29/2024	2.3	1.9	1.95		2.05
Total	6.4	6.6	5.51		**6.17**
Year Total	65.93	63.74	61.07	**63.58**	

Appendix III – Forms and Applications

PHENIX CITY Alabama
DEPARTMENT OF ENGINEERING / PUBLIC WORKS
601 12th Street | Phenix City, AL 36867 | Ph: 334-448-2760 | Fx: 334-291-4848 | phenixcityal.gov

VIA _____

TO:

DATE:

SUBJECT:

Dear Sir or Madam:
A representative of the City of Phenix City Engineering Department conducted a routine stormwater Best Management Practice (BMP) inspection for the above referenced site. This is done yearly in accordance with the City's Municipal Separate Storm Sewer System (MS4) permit through the Alabama Department of Environmental Management (Permit No. ALR040019) and City Ordinances 2007-07 and 2017-01. During the inspection, the following observations were made:

☐ Vegetation:

☐ Debris / Trash:

☐ Erosion:

☐ Gate / Fence:

PHENIX CITY Alabama
DEPARTMENT OF ENGINEERING / PUBLIC WORKS
601 12th Street | Phenix City, AL 36867 | Ph: 334-448-2760 | Fx: 334-291-4848 | phenixcityal.gov

☐ Drainage Structures:

☐ Underground BMPs:

☐ Other:

Post-construction stormwater BMPs are subject to an annual inspection under Ordinances 2007-07 and 2017-01. These inspections and upkeep of these BMPs are required for compliance with the Alabama Department of Environmental Management's Municipal Separate Storm Sewer System permit of the National Pollutant Discharge Elimination System. These deficiencies must be corrected within ___ days of receipt of this letter. **A follow-up inspection will be performed by representatives of the City Engineering Department after this period has ended.** Additional maintenance may be needed. If you have any questions, you may contact the Engineering Department at 334-448-2760.

Sincerely,

Angel Moore, P.E.
City Engineer

QR Code to the Phenix City Stormwater Management Webpage

Notification of
The Erosion and Sediment Control Policy of
The City of Phenix City, AL

Contact Information:

Property Owner	Site Address
Owner Address	Contractor
City / State	Contact Number

You are hereby notified of the Erosion and Sediment Control Policy of the City of Phenix City, AL, adopted on August 16, 2005 by Ordinance 2005-22 and amended on February 21, 2007 by Ordinance 2007-07. Failure to comply with the provisions of the policy could result in the City of Phenix City issuing a citation or a stop work order or both in accordance with the above referenced ordinance.

As required by Section V of the above referenced policy: Before the commencement of any land disturbing activity that affects one acre or more, the owner of the land on which such activity shall be conducted, or their duly authorized agent, shall file with the City of Phenix City copies of their NPDES Permit and obtain approval of a site-specific Erosion and Sediment Control (ESC) Plan.

As required by Section IV of the above referenced policy: Permit by Rule status will be assigned to those non-excluded land disturbing activities less than one acre in size and any existing disturbed sites that are contribution to sediment runoff. These sites, although not required to obtain an NPDES Permit or submit for approval an ESC Plan, are still required to implement and maintain best management practices at the site and are subject to all provisions of the policy.

As required by Section VII of the above referenced policy: Grading, erosion control practices, sediment control practices, and waterway crossings shall meet the design criteria set forth in the most recent version of the BMP Manual(s) approved by ADEM, and any additional requirements set forth by the City and shall be adequate to prevent transportation of sediment from the site to the satisfaction of the City.

I hereby acknowledge that I have read this Notification of the Erosion and Sediment Control Policy of the City of Phenix City.

Signature _____ Date _____

LAND DISTURBANCE PERMIT APPLICATION

ENGINEERING AND PUBLIC WORKS DEPARTMENT
1201 7th Avenue, 2nd Floor
Phenix City, AL 36867
334-448-2760 ~ EngineeringPW@phenixcityal.us

PROJECT INFORMATION

Applicant Name:_____ Project Name:_____

Mailing Address:_____ Project Address:_____

_____ _____

Phone Number:_____ Property Acreage:_____

Disturbed Acreage:_____

Email Address:_____ Current Zoning:_____

PROPERTY OWNER INFORMATION

Owner Name:_____ Mailing Address:_____

Phone Number:_____ _____

Email Address:_____

A COPY OF THE DEED TO THE SUBJECT PROPERTY MUST BE SUBMITTED WITH THIS APPLICATION. If the developer is not the owner, then a letter of designation allowing the developer to act as an "authorized agent" must be on file. All associated fees will be charged to the developer unless otherwise arranged.

ENGINEER OF RECORD

Engineer Name:_____ Mailing Address:_____

Phone Number:_____ _____

Email Address:_____

Land Disturbance Permit Application must be accompanied by completed Land Disturbance Permit Submittal Checklist and required documentation.

I, the developer, certify that all of the above facts are true and correct to the best of my knowledge. I understand that a development approval(s) granted pursuant to the application shall be subject to all applicable regulations of the City of Phenix City, and that such approval(s) shall expire unless construction has commenced within eighteen (18) months following date of approval.

Developer's Signature:_____

Developer's Name (Please Print):_____

Date:_____

LAND DISTURBANCE PERMIT SUBMITTAL CHECKLIST

ENGINEERING AND PUBLIC WORKS DEPARTMENT
1201 7th Avenue, 2nd Floor
Phenix City, AL 36867
334-448-2760 ~ EngineeringPW@phenixcityal.us

Project Name: _____ Engineer of Record: _____

This checklist must be submitted with every Land Development Permit Application. All items on the checklist shall be addressed. If the item is not applicable to this project, check the box next to the item labeled "N/A", and provide comment. **If one of these items is missing from the submittal without a valid explanation, the entire submittal will be rejected.** Note that this checklist is not intended to be all inclusive, and fulfillment of this checklist does not alleviate the obligation of the designer to meet all City of Phenix City codes, regulations, ordinances, and specifications. The purpose of this checklist is to facilitate a more efficient plan review process for the designer and the review team.

Description	Check	N/A	Comments
Construction Plans			
These are the basic sheets we expect to see in a set of plans. Some sheets may be combined on certain projects, or have different names (for example, water and sewer shown on one utility plan sheet for small projects). For a comprehensive checklist of items to be shown on each sheet, please see the **Construction Plan Review Checklist**.			
Title/Cover Sheet			
Project Notes			
Existing Conditions/Demo Plan			
Site Plan (Engineering)			
Water Plan			
Sanitary Sewer Plan			
Sanitary Sewer Profiles			
Grading & Drainage Plan			
Storm Sewer Profiles			
Erosion & Sediment Control Plan			
Street Plan & Profiles (for public infrastructure)			
Misc. Details, Cross-sections & Other Sheets			
City of Phenix City Standard Details (Water, Sanitary Sewer, Storm Sewer, etc.)			
Forms			
Application for Installation of Underground Utilty Permit			
Permit to Construct a Turnout to Provide Access to a City Street			
ALDOT Turnout Permit			
ALDOT Utility Permit			
Authorized Agent Form			
Grease Removal Device Sizing Worksheet			
NPDES Application			
NPDES Permit			

Misc. Required Items			
Stormwater Management Report			
USGS Map			
As-Built CAD Files of Public Infrastructure at completion of project. (See **CAD File Submittal Guide** for required items.)			**Must be submitted to the Phenix City Engineering Department prior to issuance of the Certificate of Occupancy.**
Permit Fee (Based on site area. Check the one that applies.)			
0 - 5 acres $65			
5 - 10 acres $95			
10 - 25 acres $125			
25 - 50 acres $155			
50 - 75 acres $185			
75 - 100 acres $215			
Greater than 100 acres $245			

SIGNED: _____

(ENGINEER OF RECORD)

Rev. 11/15

City of Phenix City Engineering and Public Works Department

Permit to Construct a Turnout to Provide Access to a City Street (Residential)

Remit to: P.O. Drawer 279, 1206 7th Avenue, Phenix City, AL 36867, (334) 448-2760

Name of Applicant _____

Mailing Address _____

City_____ State _____ Zip Code _____

Telephone Number _____

Office Use Only
Permit Number
Date Received
Date Approved

Address of Proposed Turnout _____

Description of Work _____

_____

The applicant hereby request permission from the City of Phenix City Engineering Department to construct a turnout to the above named City Street. The applicant agrees that approval of this request is subject to revocation by the Engineering Department and subject to the following terms and conditions:

1. The applicant agrees to comply with the current policy, specifications, and standard drawings as set forth by the Phenix City Engineering Department. Information is available at the above remittance address.
2. **The applicant agrees to contact the Phenix City Engineering Department for a site evaluation before work on said driveway begins and a pre-poured framing inspection.**
3. The applicant is not permitted to use any portion of the City right-of-way for any purpose other than construction and maintenance of the proposed turnout. Structures, signs, trees/shrubs, or any other right-of-way encroachment not described above and /or shown on an attached drawing and approved as a part of this permit are prohibited.
4. The applicant agrees to maintain any drainage structures installed or constructed as a part of this permit and keep the same cleaned out and functioning properly at all times. The City will only maintain that portion of the turnout that ties in with the street that may be necessary due to modifications to the roadway.
5. The applicant shall be responsible for locating any underground utilities that may be in conflict with the proposed work. Any damages that occur to existing utilities, existing drainage structures, or the existing street surface will be the sole responsibility of the applicant. In the case where City forces are installing a pipe and fill for the turnout, the applicant's responsibility is waived for that portion of the work completed by City forces.
6. The applicant agrees that the proposed driveway shall not be constructed above any existing water and/or sanitary sewer services and will provide a minimum horizontal clearance of 5 feet between driveway and said services. This requirement is only for water and sanitary sewer services on which the City of Phenix City would perform repairs such as water services from the main to the meter and sanitary services under street pavement.
7. The applicant is responsible for conforming to the regulations of the Environmental Protection Agency (EPA) and the Alabama Department of Environmental Management (ADEM) for the proposed work. This also applies to any hazardous materials encountered during the construction of the turnout.
8. The applicant shall not make any additions or modifications to the turnout or surrounding right-of-way without obtaining a new permit from the Phenix City Engineering Department. The applicant also agrees that the City of Phenix City or its contractors have the right to remove and/or reconstruct the turnout if it becomes necessary without any compensation to the applicant.
9. The turnout and related work covered by this permit shall be completed within one year from the date of application or the permit becomes null and void. Once work has begun it shall be pursued in a continuous and diligent manner until completion.

Signed _____ _____
Applicant Date

Recommended for Approval:

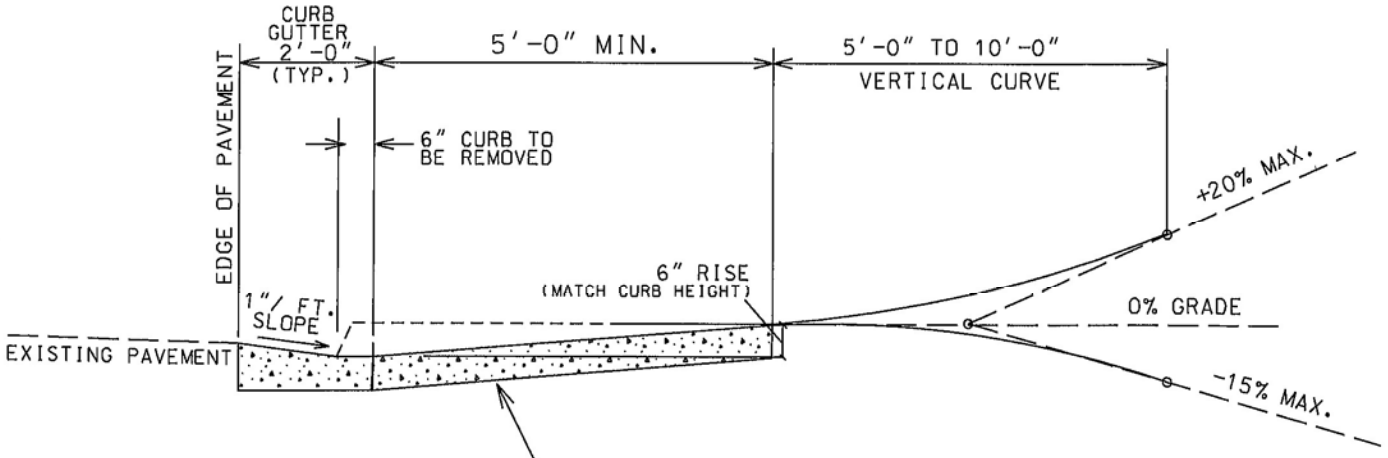
APPROVED:

_____ _____ _____ _____
Authorized Representative Title Date City Engineer

_____
Date

℄ PROFILE SECTION

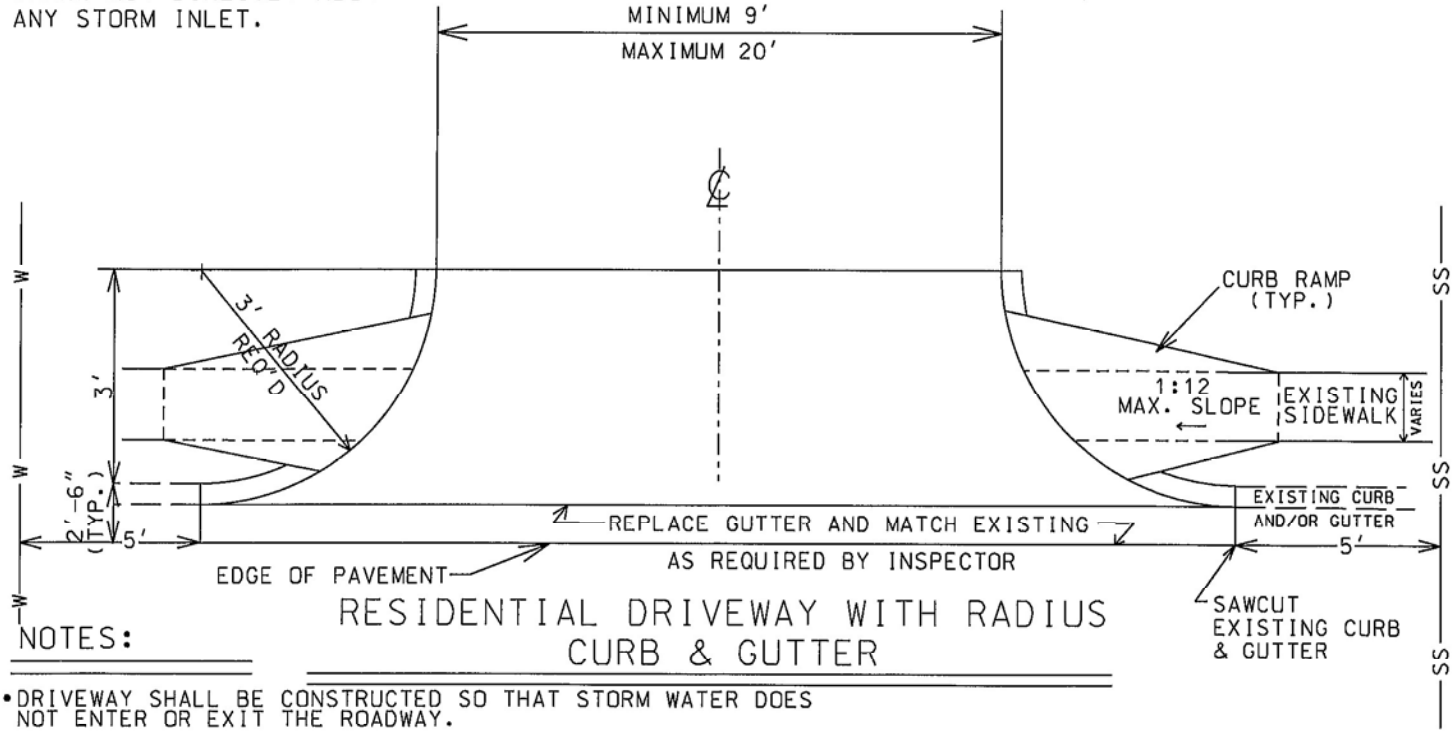
(NOT TO SCALE)



NOTE: A MINIMUM OF FIVE (5) FEET MUST BE MAINTAINED BETWEEN THE DRIVEWAY (INCLUDING THE TURNOUT RADIUS) AND THE NEAREST POINT OF ANY SEWER SERVICE OR WATER SERVICE. DRIVEWAY TURNOUTS SHALL NOT DIRECTLY ABUT ANY STORM INLET.

PLAN VIEW

(NOT TO SCALE)



RESIDENTIAL DRIVEWAY WITH RADIUS CURB & GUTTER

NOTES:

- DRIVEWAY SHALL BE CONSTRUCTED SO THAT STORM WATER DOES NOT ENTER OR EXIT THE ROADWAY.
- EXISTING CURB & GUTTER SHALL BE SAWCUT AND REMOVED AS REQUIRED BY INSPECTOR, TO PREVENT DAMAGE TO EXISTING PAVEMENT AND CURB. ALL EDGES SHALL BE NEAT AND STRAIGHT. EXISTING CONCRETE SHALL BE SCARIFIED TO ENSURE PROPER BONDING.
- A PERMIT IS REQUIRED TO CONSTRUCT A TURNOUT ON CITY RIGHT OF WAY. CONTACT THE PHENIX CITY ENGINEERING DEPARTMENT (448-2760).
- ALL PARTS OF THE DRIVEWAY, INCLUDING THE CURB RADIUS MUST HAVE AT LEAST 5 FEET OF HORIZONTAL CLEARANCE FROM THE EXISTING WATER AND SANITARY SEWER SERVICE LINES. THIS REQUIREMENT IS FOR THE WATER AND SANITARY SEWER SERVICES ON WHICH THE CITY OF PHENIX CITY WOULD PERFORM REPAIRS SUCH AS WATER SERVICES FROM THE MAIN TO THE METER AND SANITARY SERVICES UNDER THE STREET PAVEMENT.
- LOCATE ALL UTILITIES PRIOR TO BEGINNING WORK. CALL ALA. LINE LOC. CENTER (1-800-292-8525) AND P.C. UTILITIES (448-2902).

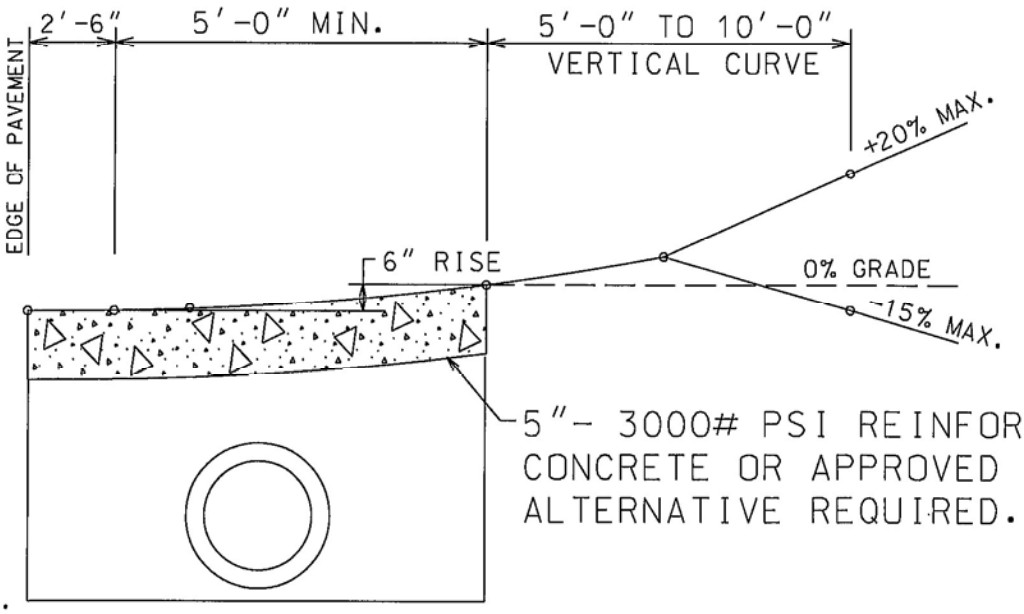
DETAILS FOR RESIDENTIAL TURNOUT (URBAN SECTION) RADIUS

PHENIX CITY ENGINEERING DEPT.
1111 BROAD ST., BLDG. B
PHENIX CITY, ALABAMA 36867

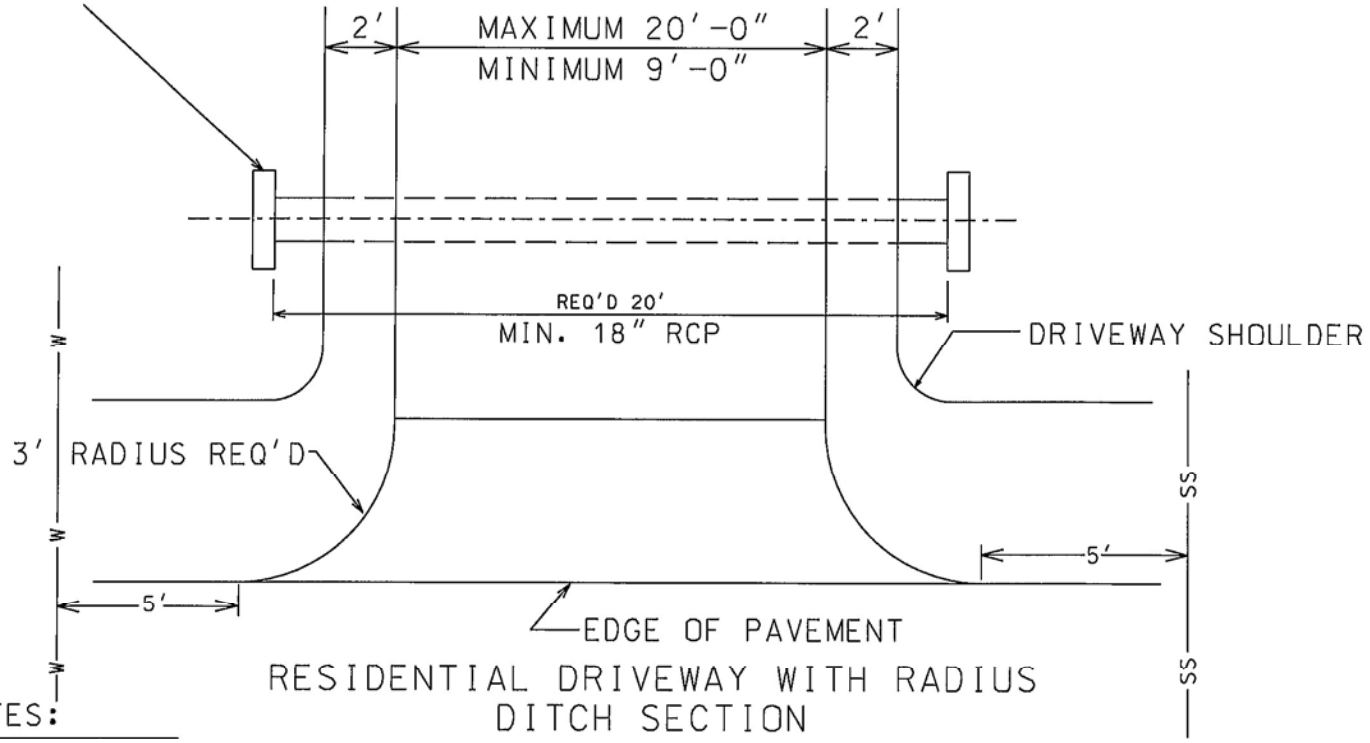
DWG. NO.:	DATE:	BY:
T0-100 A	12-6-93	BQ
	REVISIONS: 11-05-14	MLM
SCALE: N.T.S.	2-09-21	ABT

℄ PROFILE SECTION

(NOT TO SCALE)



SLOPED PAVED HEADWALL OR FLARE END SECTIONS REQ'D AT EACH END ALTERNATIVE TYPES OF HEADWALLS MUST HAVE APPROVAL OF ENGR. DEPT.
SEE ALABAMA DEPT. OF TRANSPORTATION SPC. DWG. FE-619 (FLARED END SECT)
SPC. DWG. HW 614-B (SLOPED PAVED)



RESIDENTIAL DRIVEWAY WITH RADIUS DITCH SECTION

NOTES:

- DRIVEWAY SHALL BE CONSTRUCTED SO THAT STORM WATER DOES NOT ENTER OR EXIT THE ROADWAY.
- EXISTING CURB & GUTTER SHALL BE SAWCUT AND REMOVED AS REQUIRED BY INSPECTOR, TO PREVENT DAMAGE TO EXISTING PAVEMENT AND CURB. ALL EDGES SHALL BE NEAT AND STRAIGHT. EXISTING CONCRETE SHALL BE SCARIFIED TO ENSURE PROPER BONDING.
- A PERMIT IS REQUIRED TO CONSTRUCT A TURNOUT ON CITY RIGHT OF WAY. CONTACT THE PHENIX CITY ENGINEERING DEPARTMENT (448-2760).
- ALL PARTS OF THE DRIVEWAY, INCLUDING THE CURB RADIUS MUST HAVE AT LEAST 5 FEET OF HORIZONTAL CLEARANCE FROM THE EXISTING WATER AND SANITARY SEWER SERVICE LINES. THIS REQUIREMENT IS FOR THE WATER AND SANITARY SEWER SERVICES ON WHICH THE CITY OF PHENIX CITY WOULD PERFORM REPAIRS SUCH AS WATER SERVICES FROM THE MAIN TO THE METER AND SANITARY SERVICES UNDER THE STREET PAVEMENT.
- LOCATE ALL UTILITIES PRIOR TO BEGINNING WORK. CALL ALA. LINE LOC. CENTER (1-800-292-8525) AND P.C. UTILITIES (448-2902).

DETAILS FOR RESIDENTIAL TURNOUT (RURAL SECTION) RADIUS	
PHENIX CITY ENGINEERING DEPT. 1111 BROAD ST., BLDG. B PHENIX CITY, ALABAMA 36867	
DWG. NO.: TO-100 B	DATE: 12-6-93 BY: BQ
SCALE: N.T.S.	REVISIONS: 11-05-14 MLM, 2-09-21 ABT

Rev. 11/15

City of Phenix City Engineering and Public Works Department

Permit to Construct a Turnout to Provide Access to a City Street (Commercial)

Remit to: P.O. Drawer 279, 1206 7th Avenue, Phenix City, AL 36867, (334) 448-2760

Name of Applicant _____

Mailing Address _____

City_____ State _____ Zip Code _____

Telephone Number _____

Office Use Only
Permit Number
Date Received
Date Approved

Address of Proposed Turnout _____

Description of Work Shown on the Attached Drawing (may require stamp by a licensed engineer if conditions warrant)

_____

The applicant hereby request permission from the City of Phenix City Engineering Department to construct a turnout to the above named City Street. The applicant agrees that approval of this request is subject to revocation by the Engineering Department and subject to the following terms and conditions:

1. The applicant agrees to comply with the current policy, specifications, and standard drawings as set forth by the Phenix City Engineering Department. Information is available at the above remittance address.
2. **The applicant agrees to contact the Phenix City Engineering Department for a site evaluation before work on said driveway begins and a pre-poured framing inspection.**
3. The applicant is not permitted to use any portion of the City right-of-way for any purpose other than construction and maintenance of the proposed turnout. Structures, signs, trees/shrubs, or any other right-of-way encroachment not described above and /or shown on an attached drawing and approved as a part of this permit are prohibited.
4. The applicant agrees to maintain any drainage structures installed or constructed as a part of this permit and keep the same cleaned out and functioning properly at all times. The City will only maintain that portion of the turnout that ties in with the street that may be necessary due to modifications to the roadway.
5. The applicant shall be responsible for locating any underground utilities that may be in conflict with the proposed work. Any damages that occur to existing utilities, existing drainage structures, or the existing street surface will be the sole responsibility of the applicant. In the case where City forces are installing a pipe and fill for the turnout, the applicant's responsibility is waived for that portion of the work completed by City forces.
6. The applicant agrees that the proposed driveway shall not be constructed above any existing water and/or sanitary sewer services and will provide a minimum horizontal clearance of 5 feet between driveway and said services. This requirement is only for water and sanitary sewer services on which the City of Phenix City would perform repairs such as water services from the main to the meter and sanitary services under street pavement.
7. The applicant is responsible for conforming to the regulations of the Environmental Protection Agency (EPA) and the Alabama Department of Environmental Management (ADEM) for the proposed work. This also applies to any hazardous materials encountered during the construction of the turnout.
8. The applicant shall not make any additions or modifications to the turnout or surrounding right-of-way without obtaining a new permit from the Phenix City Engineering Department. The applicant also agrees that the City of Phenix City or its contractors have the right to remove and/or reconstruct the turnout if it becomes necessary without any compensation to the applicant.
9. The turnout and related work covered by this permit shall be completed within one year from the date of application or the permit becomes null and void. Once work has begun it shall be pursued in a continuous and diligent manner until completion.

Signed _____ _____
Applicant Date

Recommended for Approval:

_____ _____ _____
Authorized Representative Title Date

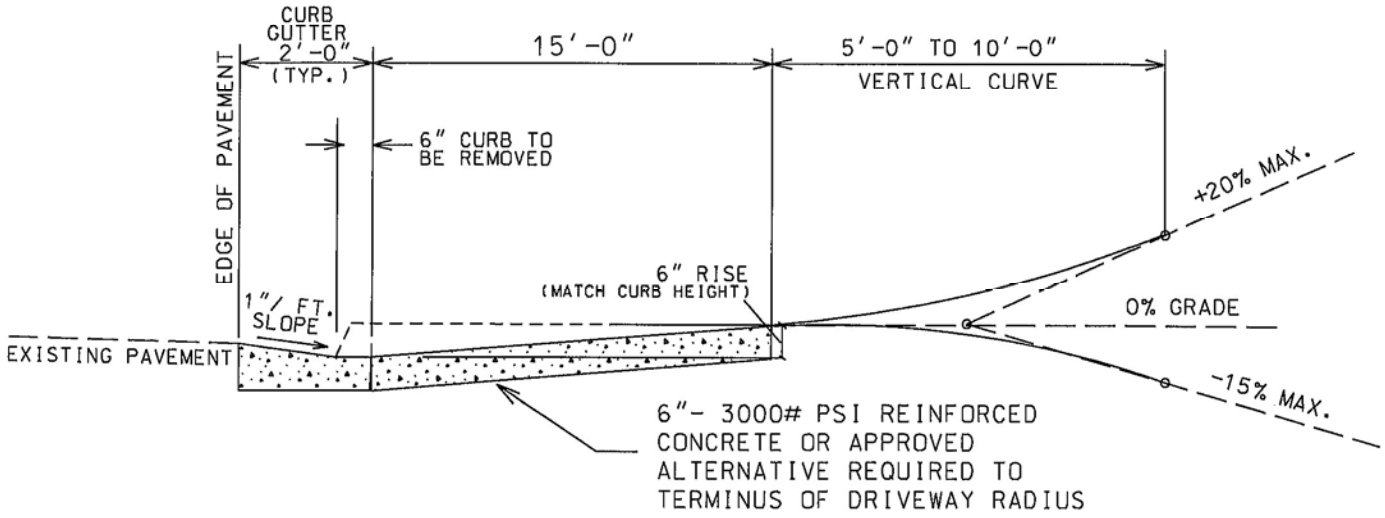
APPROVED:

_____
City Engineer

_____
Date

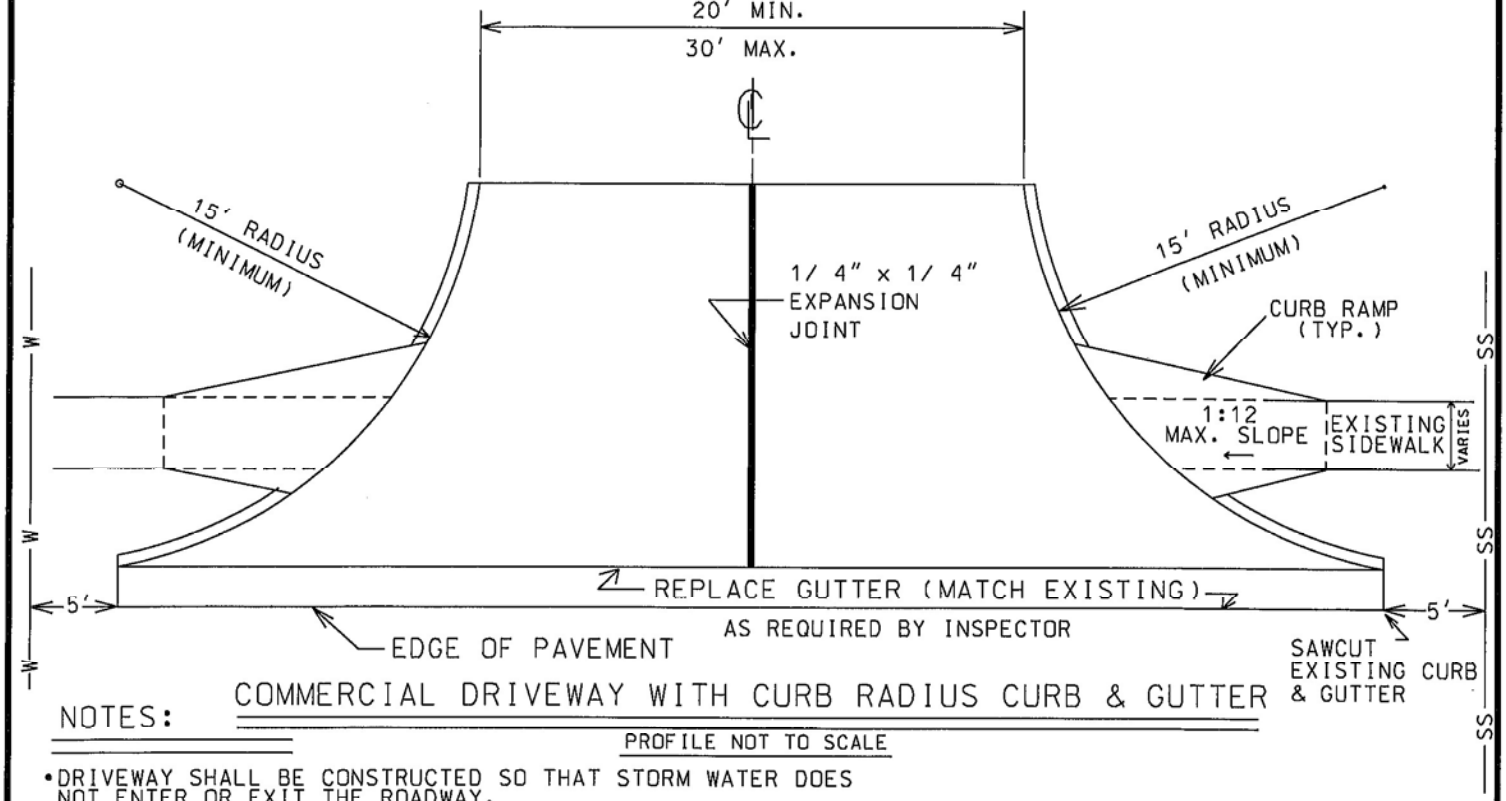
℄ PROFILE SECTION

(NOT TO SCALE)



PLAN VIEW

(NOT TO SCALE)



COMMERCIAL DRIVEWAY WITH CURB RADIUS CURB & GUTTER

PROFILE NOT TO SCALE

NOTES:

- DRIVEWAY SHALL BE CONSTRUCTED SO THAT STORM WATER DOES NOT ENTER OR EXIT THE ROADWAY.
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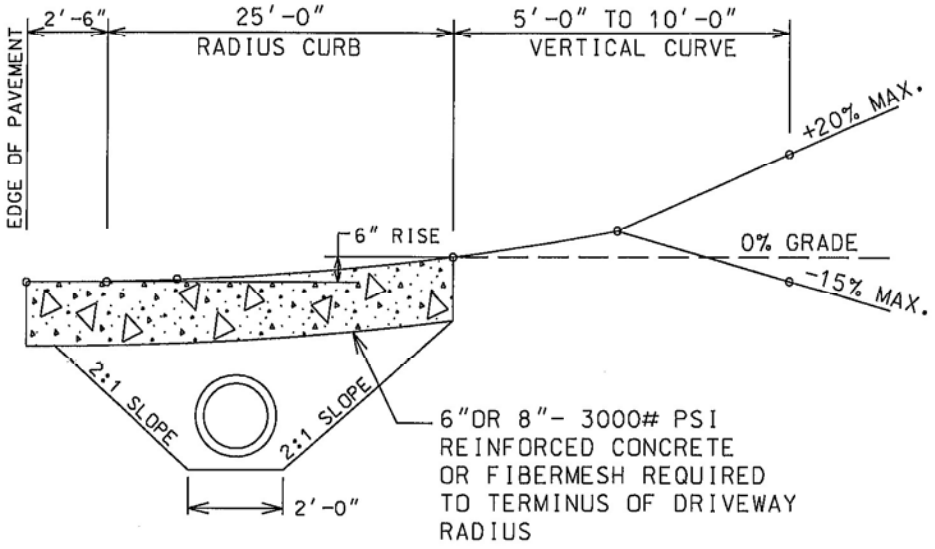
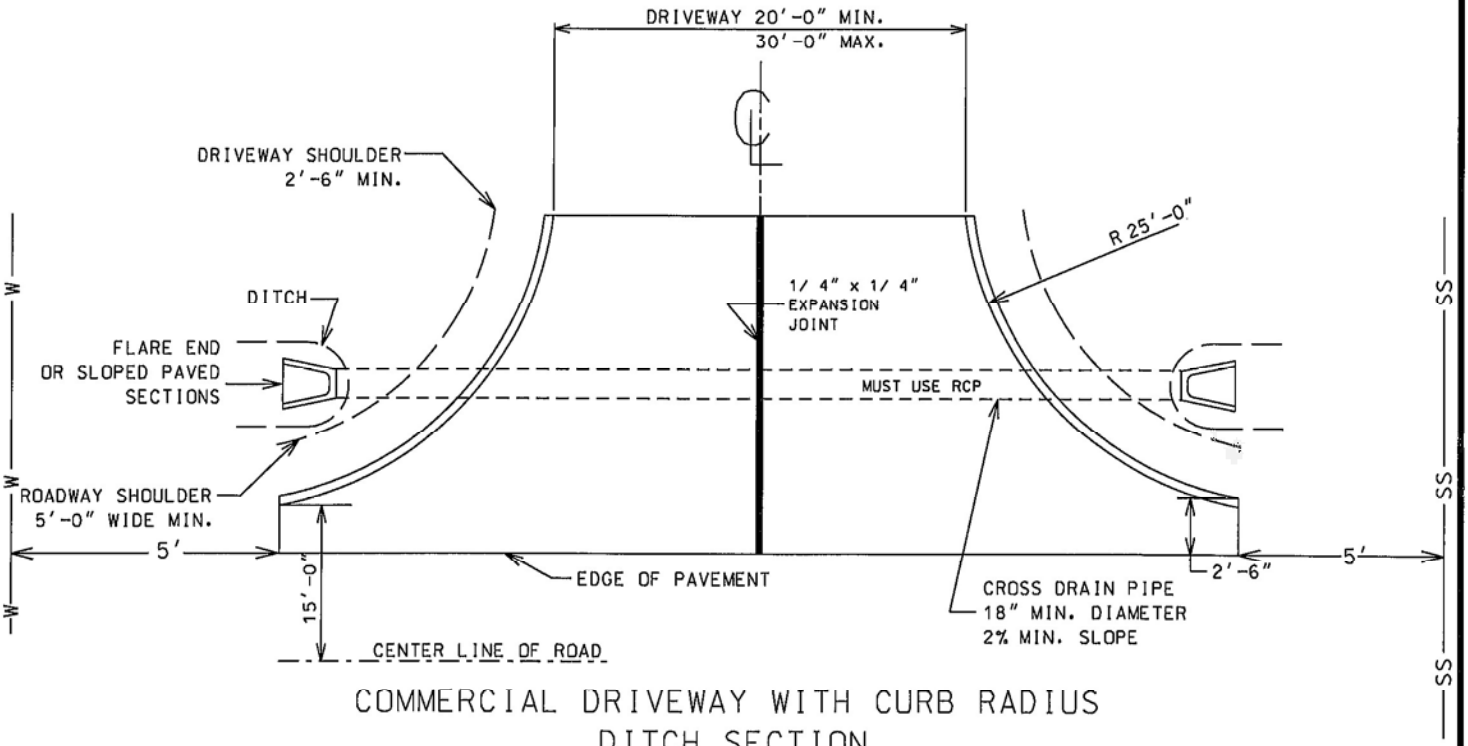
- LOCATE ALL UTILITIES PRIOR TO BEGINNING WORK. CALL ALA. LINE LOC. CENTER (1-800-292-8525) AND P.C. UTILITIES (448-2902).

DETAILS FOR TURNOUT COMMERCIAL (URBAN SECTION) RADIUS	
PHENIX CITY ENGINEERING DEPT. 1111 BROAD ST., BLDG. B PHENIX CITY, ALABAMA 36867	
DWG. NO.: TO-100 C	DATE: 12-6-93 BY: BQ
SCALE: N.T.S.	REVISIONS: 10-04-06 ABT 9-29-08 ABT

℄ PROFILE SECTION

(NOT TO SCALE)





COMMERCIAL DRIVEWAY WITH CURB RADIUS DITCH SECTION

PROFILE NOT TO SCALE

NOTES:

- DRIVEWAY SHALL BE CONSTRUCTED SO THAT STORM WATER DOES NOT ENTER OR EXIT THE ROADWAY.
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- LOCATE ALL UTILITIES PRIOR TO BEGINNING WORK. CALL ALA. LINE LOC. CENTER (1-800-292-8525) AND P.C. UTILITIES (448-2902).

DETAILS FOR COMMERCIAL TURNOUT (RURAL SECTION) RADIUS

PHENIX CITY ENGINEERING DEPT.
1111 BROAD ST., BLDG. B
PHENIX CITY, ALABAMA 36867

DWG. NO.:	DATE:	BY:
TO-100 D	12-6-93	BQ
	REVISIONS:	
SCALE: N.T.S.	10-04-06	ABT
	9-29-08	ABT

DRAINAGE AND ESC INSPECTON REPORT

Engineering Department

1206 7th Avenue, Phenix City, AL 36867

Office: (334) 448-2760 - Fax: (334) 291-4848

Pre-construction: ☐ Mid-construction: ☐

Post-construction: ☐ Inspection Date: _____

Name/Company _____ Project Name _____

Mailing Address Site Address _____

_____ Phone Number _____

Engineer/Surveyor Name & Email Address

If "fail" column has been selected for any item below, the inspection fails. Complete all items.

INSPECTION QUESTIONS	PASS	FAIL	N/A
ESC plan in place for the lot/site that has been certified by a Professional Engineer/QCP	☐	☐	☐
If applicable, BMPs installed/maintained per ESC plan	☐	☐	☐
Lot drainage appears to match drainage proposed on approved construction plans certified by a Professional Engineer	☐	☐	☐
If lot/site is over 1 acre, ESC/Land Disturbing permit has been issued/requested prior to disturbance	☐	☐	☐
If no City permit has been issued for land disturbances because lot/site is smaller than 1 acre, lot/site is in compliance with Phenix City's Erosion Control Policy, Permit by Rule (Section IV.B)	☐	☐	☐
Appears to drain away from foundation(s) (5% slope away, Section VII.J)	☐	☐	☐
Appears to drain away from neighboring lots/sites	☐	☐	☐
Maintains 25 ft. buffer from any surface waters (Section VII.C)	☐	☐	☐
→ If permittee has been approved for buffer variance, check N/A			
If inside buffer, permittee has been approved for variance	☐	☐	☐
Slopes appear to abide by slope limit? (slope ≤ 3:1, Section VII.A)	☐	☐	☐
→ If permittee has been approved for slope variance or there are no slopes, check N/A			
If steeper slope, permittee has been approved for variance	☐	☐	☐

Inspector's signature _____ Picture's attached? YES

Corrective actions/notes:

ADMINISTRATIVE USE ONLY

Reviewed by (Engineering)

Reviewed by (Building)

City of Phenix City
Engineering Department
Inspection Report

Date	3/3/23	**Time**	24 00	**Inspector**	
Rain Event	☐	**Rainfall (in.)**		**Site Name**	
ADEM Sign	☐	**Rain Gauge Present**	☐	**Site Address**	

Lot #/Location	Notes

BMP INITIALS OF - Outfall SF - Silt Fence IP - Inlet Protection TD - Trash and Debris SP - Soil Pile/Bare Soil L - Landscaping CEP - Construction Exit Pad CW - Concrete Washout

General Comments	

City of Phenix City - Engineering 1206 7th Ave., Phenix City, AL 36867	**Inspector's Signature**	

City of Phenix City Engineering Department

INSPECTION REPORT

DATE:_____TIME:_____ PROJECT/SUBDIVISION:_____
WEATHER:_____ CITY PERSONNEL:_____

QUALIFYING RAIN EVENT: ADEM PERMIT: RAIN GAUGE:

DAILY REPORT OF ACTIVITIES

INSPECTION BY: _____

Appendix IV – Scrap Tire Permit

1400 Coliseum Blvd.
PO Box 301463
Montgomery AL 36130-1463
tiremail@adem.alabama.gov

Alabama Department of Environmental Management
Scrap Tire Facility Registration

BUSINESS NAME:

City of Phenix City

SITE NAME:

City of Phenix City – Public Works Department

FACILITY LOCATION:

601 12th Street
Phenix City, AL 36867

REGISTRATION NUMBER:

SC20000-054524

REGISTRATION TYPE:

Class Two Receiver

MAXIMUM AMOUNT OF TIRE MATERIALS ALLOWED TO BE ACCUMULATED:

300 Tires

In accordance with and subject to the provisions of the Alabama Scrap Tire Environmental Quality Act, Code of Alabama 1975, §§22-40A-1 to 22-40A-24, the Alabama Environmental Management Act, as amended, Code of Alabama 1975, §§22-22A-1 to 22-22A-15, and rules and regulations adopted thereunder, and subject further to the conditions set forth in this facility registration, the Registrant is hereby authorized to operate the scrap tire facility at the described facility location.

ISSUANCE DATE: September 6, 2022

EFFECTIVE DATE: September 6, 2022

September 6, 2022

Alabama Department of Environmental Management

Date Signed

1400 Coliseum Blvd.
PO Box 301463
Montgomery AL 36130-1463
tiremail@adem.alabama.gov

Alabama Department of Environmental Management

Alabama Department of Environmental Management
Scrap Tire Transporter Permit

BUSINESS NAME:

Phenix City Engineering & Public Works Department

SITE NAME:

City of Phenix City

FACILITY LOCATION:

601 12th Street

Phenix City, AL 36867

PERMIT NUMBER:

STT0000-000053

TRANSPORTER TYPE:

Scrap Tire Transporter

MAXIMUM AMOUNT OF TIRE MATERIALS ALLOWED TO BE ACCUMULATED:

No Storage Allowed

In accordance with and subject to the provisions of the Alabama Scrap Tire Environmental Quality Act, Code of Alabama 1975, §§22-40A-1 to 22-40A-24, the Alabama Environmental Management Act, as amended, Code of Alabama 1975, §§22-22A-1 to 22-22A-15, and rules and regulations adopted thereunder, and subject further to the conditions set forth in this facility registration, the Permittee is hereby authorized to operate the scrap tire facility at the described facility location.

ISSUANCE DATE: September 27, 2022

EFFECTIVE DATE: September 27, 2022

EXPIRATION DATE: September 26, 2025

September 27, 2022

Alabama Department of Environmental Management

Date Signed