Alabama State University

915 S. Jackson Street
Montgomery, AL 36104

Stormwater Management Program
Annual Report

NPDES Permit ALR040065

April 1, 2021 – March 31, 2022

Prepared By:

VOLKERT

7110 University Court, Montgomery, Alabama 36117

(THIS PAGE INTENTIONALLY LEFT BLANK)

Annual Report Table of Contents

1.0 Introduction

1.1 Alabama State University Phase II MS4 Program

Alabama State University (ASU) was issued its current NPDES Permit for discharges from regulated small municipal separate storm sewer systems, or MS4 Permit (No. ALR040065) by the Alabama Department of Environmental Management (ADEM) on September 16, 2021. The permit was made effective on October 1, 2021. ASU's MS4 program is managed by the Office of Facility Services.

1.2 Alabama State University MS4 Area

ASU covers approximately 200 acres as shown in Appendix A. The student population is approximately 4,413 students (3,934 full-time and 479 part-time). There are currently 97 buildings on campus ranging from academic buildings, dormitories, faculty buildings, sports complexes, cafeterias, and facility management buildings. There is approximately 786 full-time and 277 part-time ASU staff working on campus.

1.3 Watershed Information

The ASU campus receives approximately 53 inches of rainfall annually. Rainfall tends to be evenly distributed throughout the year with drier periods occurring during late summer and early fall. Stormwater runoff from ASU ultimately discharges into two primary receiving streams. The majority of the campus drains to the southwest towards the Genetta Ditch. Genetta Ditch flows to Catoma Creek which eventually drains into the Alabama River west of Montgomery. A small portion of the northeast side of campus flows to the northeast to an unnamed drainage ditch. This unnamed drainage ditch flows east and then north to where it eventually reaches Galbraith Mill Creek. Galbraith Mill Creek flows into the Alabama River North of Montgomery.

Catoma Creek is currently impaired for Organic Enrichment and Low Dissolved Oxygen. Impairment to Catoma Creek is derived exclusively from non-point source (NPS) and Municipal Separate Storm Sewer Systems (MS4) pollutant loadings, for which needed reductions are being sought under Total Maximum Daily Load (TMDL) implementation. ASU property makes up less than 0.07% of the total watershed of Catoma Creek.

As a requirement of the NPDES MS4 Permit, the University must demonstrate that its discharges do not cause or contribute to the impairment of an impaired water body. The University developed and implemented a sampling plan during the previous reporting period (2020-2021) to determine whether or not the discharge contributes to the impairment of Catoma Creek via the City of Montgomery's MS4. The sampling results indicated that ASU's discharges have minimal oxygen demand and nutrient

loading and therefore are not contributing to the impairment of Catoma Creek.

1.4 Annual Report

Part VI of the NPDES MS4 permit requires ASU to submit an annual report to ADEM each year. The annual report's purpose is to summarize activities between March 31st of the reporting year and April 1st of the previous year. This report covers the period from April 1, 2021 to March 31, 2022 and includes the following required information:

- **2.0,** *A list of contacts and responsible parties*
- **3.0,** *An overall evaluation of ASU Stormwater Management Program*
- **4.0,** *A narrative report of the required minimum control measures*
- **5.0,** *A summary of future controls*
- **6.0,** *A notice of reliance on others*
- **7.0,** *Certification*

No monitoring was required during this reporting period; therefore, no monitoring or sampling results are provided in this annual report.

1.5 Availability of Report

This annual report has been provided to ADEM in electronic format via the Alabama Environmental Permitting and Compliance System (AEPACS). The report will be accessible for public review on or through the ASU web site in the future, along with the Stormwater Management Program Plan (SWMPP) and the NPDES permit. Printed copies of the report are available upon request.

2.0 Contacts / Responsible Parties

The personnel responsible for preparation of this report are:

Mr. Donald Dotson
Vice President of Facilities Management & Operations
Alabama State University
915 South Jackson Street
Montgomery, AL 36104
334-229-6965 office
334-300-6784 mobile
ddotson@alasu.edu

Annelise Dodd, PE, CFM
Water Resources Engineer
Volkert, Inc.
1680 West 2nd Street, Suite B
Gulf Shores, AL 36542
(251) 747-0908
annelise.dodd@volkert.com

3.0 Overall Stormwater Management Program Evaluation

3.1 Major Accomplishments

The ASU stormwater management program, coordinated by the Office of Facility Services, has made progress this reporting cycle. ASU developed and implemented a new SWMPP (March 2022) to align with the new NPDES permit (effective October 1, 2021). University staff worked with Volkert, Inc. (consultant) to establish realistic goals and deadlines for their stormwater management program during the permit term. A few specific notable endeavors are listed and described below. Additional details for these and other reporting period accomplishments are provided in applicable locations of the Narrative Report (Section 4.0) of this report.

- *SWMPP (March 2022)* – Developed and implemented a new SWMPP to align with the new NPDES Permit
- *Outfall mapping and screening (February 2022)* – Updated 100% of outfall mapping and screened all outfalls for illicit discharges

3.2 Overall Program Strengths and Weaknesses

Even prior to the issuance of the NPDES Permit, campus activities had become somewhat reflective of an environmentally conscious mindset. Awareness of environmental responsibilities and expectations is increasing among ASU staff as the stormwater program leaders share information about the importance of operating in accordance with regulatory permitting. The University took several steps towards developing and enhancing the stormwater program over the last reporting cycle. Staff and student body leadership have stepped up to make progress towards setting University environmental and water quality stewardship standards for the University. The progress made is summarized in the following sections of this report.

Donald Dotson, ASU Vice President of Facilities Management & Operations, is currently responsible for coordinating the University's stormwater program. Mr. Lehman Tucker assists Mr. Dotson with MS4 efforts. Both gentlemen continue to increase their knowledge of managing stormwater for water quality protection in an urban setting. Both participate in state and local water-related events. Mr. Dotson and Mr. Tucker are members of the Alabama Stormwater Association (ASA) and intend to participate in the organization's local events.

Areas of potential improvement include increased intentional and coordinated education and involvement of students, staff, and visitors; and staff training of the standard operating procedures (SOPs) related to pollution prevention and good housekeeping associated with campus facilities. These will continue to be areas of program focus and are described more fully in the sections below.

Areas of strength include ad-hoc student activities that are known and provide positive water quality protection, but are currently not very well coordinated with the overall program. Over the course of

this reporting cycle, steps were taken to document existing efforts and evaluate the effectiveness of the program. Communication among the campus population in regard to the University's priorities related to environmental and water quality protection is the greatest area of improvement that occurred this reporting cycle. Other areas of existing strength within the ASU stormwater program can be found in how construction and post-construction stormwater are managed on new development and redevelopment projects. More information regarding these elements of the program are found in Sections 4.1, 4.3, and 4.4 below

3.3 Future Direction of the Program

ASU values the environment and continues taking steps towards ensuring that its facilities and surrounding environment are maintained for future generations. With the commitment and support of leadership, willingness of staff to learn and implement, and the energy of students and visitors, the future of the ASU stormwater program continues to be bright. Program leaders have recognized measures that can be implemented to continue developing and enhancing the stormwater program.

4.0 Narrative Report

Part III. A of ASU's NPDES permit requires the development, implementation, revision, and maintenance of a stormwater management program to reduce the discharge of pollutants into local waterways and streams. The SWMPP submitted to ADEM in March of 2022 established and described the five minimum control measures required by the permit. The SWMPP guides how minimum control measures are implemented. The five minimum control measures include: public education and public involvement; illicit discharge detection and elimination (IDDE); construction site stormwater runoff control; post construction stormwater management; and pollution prevention/good housekeeping for municipal operations.

A narrative report for the implementation of each control measure is found in the sections below.

4.1 Public Education and Public Involvement

With all of the social involvement that characterizes a typical college campus, the opportunities to educate and engage the public on water quality issues are plentiful. ASU has previously taken steps to facilitate the participation of the students, staff, and campus visitors by organizing campus clean up days as well as providing various recycling activities. The University has taken steps to document efforts as well as promote new efforts of public education and public involvement.

Noteworthy progress has been made at ASU in adopting a mindset that is not tolerant of litter around campus. This has been achieved partly by verbal communication but primarily by campus leaders who work diligently to set an example. The Vice President of Facilities and Operations, Donald Dotson, is the figurehead in this effort by confronting litter issues around campus and by picking up litter regularly

himself.

During this permit term, ASU reevaluated their existing public education and public involvement program to set realistic future goals while meeting new permit requirements. Progress made this reporting cycle includes:

- The University developed a new SWMPP (March 2022) during this reporting period to meet requirements of their new NPDES permit.
- The stormwater webpage was updated with the new 2022 SWMPP and the 2020-2021 annual report.
- The Office of Facilities Management and Operations provided University staff training by sending out a fact sheet describing what an MS4 program is and how staff can help support the University's stormwater management program. The training fact sheet and sign-in sheets are provided in Appendix B. 99 faculty and staff indicated that they received the handout.
- The Facilities Department continued to maintain storm drain marking (Figure 1).

Figure 1. Example of ASU's storm drain marking

With ASU's current commitment to continual improvement regarding stormwater management there is tremendous potential and opportunity for the establishment of an effective MS4 program. ASU has established goals for the upcoming reporting cycles. During the next reporting period, ASU will develop consistent social media messaging and implement stormwater awareness surveys to evaluate the effectiveness of their program.

4.2 Illicit Discharge Detection and Elimination

All runoff from the ASU campus is conveyed through the City of Montgomery's MS4 prior to discharge into receiving waters. In February of 2022, the University's outfall mapping was updated and 100% of outfalls were screened for potential illicit discharges (Appendix C). No potential illicit discharges were observed in any of the University's stormwater outfalls.

The Facilities and Operations Department staff are trained on identification, reporting, and corrective action of illicit discharges.

Currently, campus security and police receive most calls concerning local concerns or emergencies. Protocol has been established for transferring grounds and facilities-related calls to the physical plant. Existing processes and procedures will be leveraged to also communicate and report potential illicit discharges as the Physical Plant Operations Manual is updated. Communications plans will be included in illicit discharge awareness training and other educational efforts.

4.3 Construction Site Stormwater Management

ASU has not reviewed any construction plans or had any new development or redevelopment projects on campus during the reporting period. Past qualifying project development has followed a predictable path for project design and management and is intended to remain largely unchanged in the future. An example of a previous construction stormwater inspection report is provided in Appendix D.

ASU development and redevelopment projects are typically designed by a team led by an architect. When regulatory thresholds are met, permit coverage is sought under the NPDES general permit for construction discharge (ALR100000). ASU is typically the permittee listed for permit coverage on the submitted Notice of Intent. The design and implementation of construction stormwater management practices are informed by and are in accordance with the following: The NPDES general permit; *The Alabama Handbook for Erosion Control, Sediment Control, and Stormwater Management on Construction Sites and Urban Areas; and* City of Montgomery ordinances and applicable elements of their MS4 permit.

The construction of development and redevelopment projects is typically managed by a program management firm. Project management typically includes construction stormwater management practice inspection. When potential violations are discovered on a construction site, issues are addressed immediately between the program management staff and the contractor. Project work may be stopped until issues are properly addressed. Should instances of noncompliance take place, proper notification is provided to ADEM in accordance with the NPDES General Permit.

Some smaller projects are managed by the designing architecture firm or a member of their team. If these projects meet regulatory thresholds, they are also designed and managed in accordance with applicable permit coverage and City ordinances as described above.

The Alabama Department of Finance, Division of Construction Management (DCM) is responsible for construction plan reviews and inspections for all state-funded projects on ASU's campus. DCM's Plan Review Division enforces codes and regulations by reviewing proposed construction plans. DCM's Project Inspection Division ensures acceptable building practices and code compliance by inspecting projects under construction.

ASU's inspection and reporting procedures were evaluated over this reporting cycle to identify areas of improvement. It was concluded that no update is needed at this time. As the stormwater program develops, construction stormwater procedures will be revisited.

4.4 Post-Construction Stormwater Management

As stated above, ASU development and redevelopment projects are typically designed by a team led by an architect. The design of post-construction stormwater management practices is typically performed by civil engineers on the designing architect's team. Stormwater-related design is informed by City of Montgomery ordinances and the Montgomery's MS4 program. Where development might drain to ALDOT property, ALDOT permitting requirements would also have to be met. The design generally requires that post-development hydrology (stormwater runoff) mimics predevelopment hydrology.

At least three permanent stormwater management practices exist on the campus today (Appendix E). They include a subsurface detention system underneath the playing field in the football stadium, a detention basin at the southwest corner of the library, and a detention pond near the baseball field at the southwest corner of Pineleaf Street and 5th Street. For locations, reference the campus map (Appendix A) and provided construction details mentioned above.

During the next reporting period, the University will develop a statement encouraging developers to consider LID and green infrastructure practices on campus.

4.5 Pollution Prevention and Good Housekeeping

ASU facility services are based out of and are coordinated from ASU's Physical Plant building. These areas include: Transportation; Grounds; and Facilities (painting, electrical, HVAC, plumbing, and crafts). This allows for good housekeeping practices to be closely monitored as equipment maintenance, washing, fueling, equipment storage, chemical storage, etc. takes place.

Several activities of campus operations are being conducted in a manner that is protective of water quality. To minimize the likelihood of used oil being introduced to stormwater runoff, the University maintains motor oil and cooking oil disposal programs. All used motor oil is collected in designated barrels, which is then collected by Universal Environmental Services, LLC, an oil recycling company. Cooking oil is handled similarly. ASU kitchens have designated containers that store used cooking oil

until the recycling company can pick up the oil and dispose of it properly (Figure 2).

Figure 2. Example of ASU's used cooking oil container.

To minimize the amount of litter entering storm drains, the University maintains trash receptacles across the campus grounds. These receptacles are emptied on a weekly basis (at minimum) and hauled to the North Montgomery Sanitary Landfill. Vegetative debris that is collected from various landscaping operations is also taken to the landfill for disposal. Storm drain maintenance is also conducted by Facilities staff and includes weekly cleaning of drain grates for debris and litter.

Pollution prevention and good housekeeping SOPs for campus facilities are provided in the SWMPP and include the following:

- Catch Basin/Inlet Cleaning and Maintenance
- General Housekeeping for Campus Facilities
- Painting
- Pesticides and Herbicides
- Vehicle and Equipment Fueling
- Vehicle and Equipment Maintenance
- Vehicle and Equipment Washing

The Office of Facility Services staff will be trained on the SOP's during monthly safety meetings. SOP training will be implemented during the next reporting period. SOP training material has been

developed and is included in the SWMPP.

5.0 Summary of Future Controls

The table provided in Appendix F summarizes the stormwater controls that are planned for future reporting cycles.

6.0 Notice of Reliance on Others

Primary enforcement of stormwater-related ordinances and policies is the responsibility of ASU. ASU, as well as its agents (architects, program managers, etc.), rely on ADEM as a backup for enforcement should compliance not be achieved in a timely manner. Richard Hulcher with the ADEM Field Operations Office will be the primary contact for the University. Mr. Hulcher's contact information: (334) 394-4309, rfh@adem.state.al.us.

The Montgomery Water Works and Sanitary Sewer Board operates and maintains the sanitary sewer system that serves the ASU campus. Montgomery Water Works' operation and maintenance of the sewer system is a component of ASU's Pollution Prevention and Good Housekeeping control measure. Montgomery Water Works' emergency response for sewer leaks is a component of ASU's Illicit Discharge Detection and Elimination Control Measure.

7.0 Certification

I certify under penalty of law that this document and all attachments 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 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.

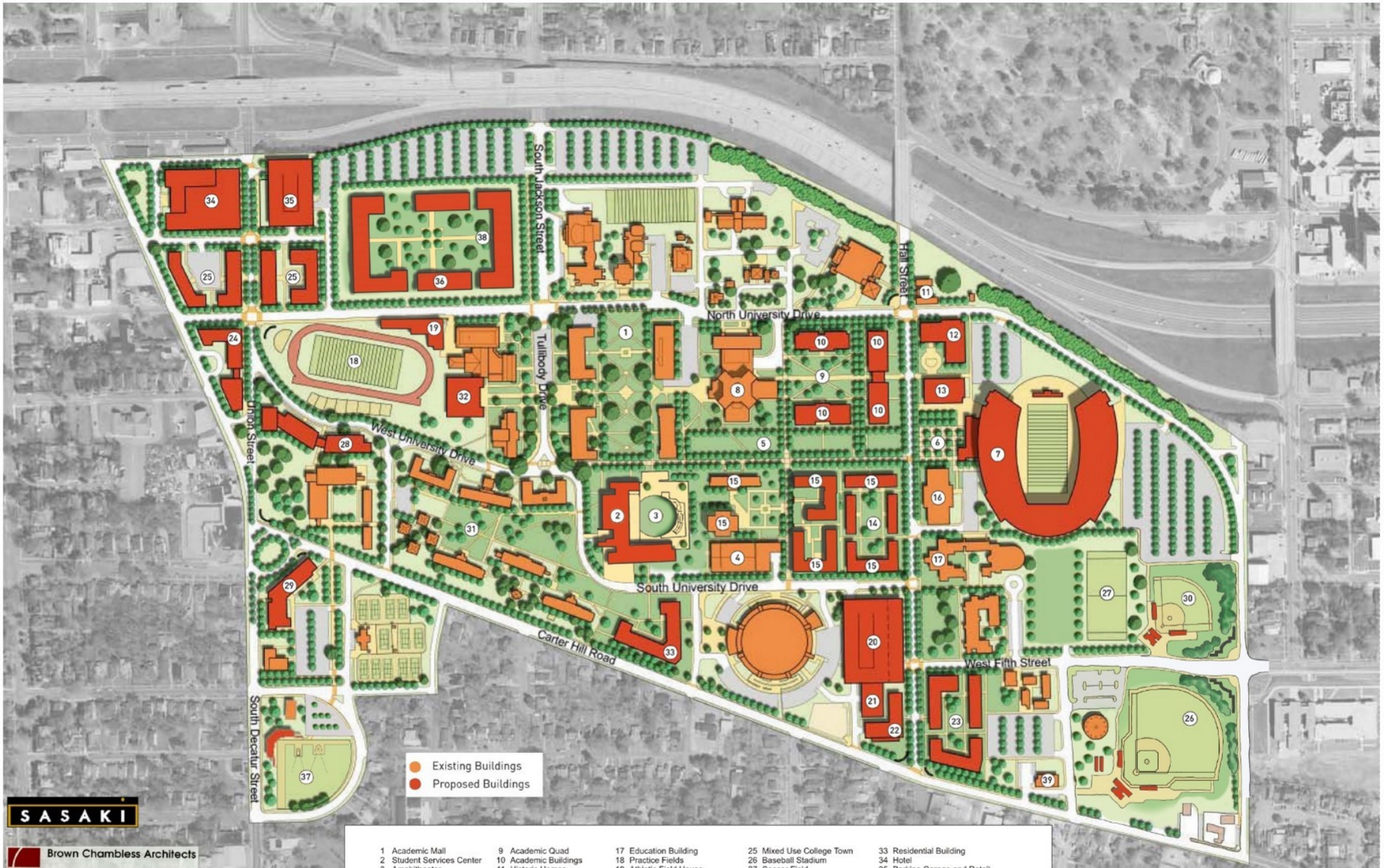
5/27/22

Dr. Quinton T. Ross, Jr.
President, Alabama State University

Date

PO Box 271
Montgomery, AL 36101
(334) 229-4100

Appendix A



1 Academic Mall
2 Student Services Center
3 Amphitheater
4 Dining Hall
5 Pedestrian Mall
6 Stadium Plaza
7 Proposed Stadium
8 Library with New Addition
9 Academic Quad
10 Academic Buildings
11 Historic Homes
12 Cultural Center
13 Academic Building
14 Residential Quad
15 Residential Buildings
16 Life Science Building
17 Education Building
18 Practice Fields
19 Athletic Field House
20 Parking Garage
21 Cogeneration Station
22 University Offices and Retail
23 Graduate Student Housing
24 Facilities Buildings
25 Mixed Use College Town
26 Baseball Stadium
27 Soccer Field
28 Student Housing
29 Partnership Building
30 Softball Field
31 West Residence Village
32 Student Recreation
33 Residential Building
34 Hotel
35 Parking Garage and Retail
36 Entertainment District
37 Track and Field: Discus and Javelin
38 Public Safety Building
39 Art Gallery

SASAKI

Brown Chambless Architects
260 Commerce Street, Suite 200
Montgomery, Alabama 36104-2585
t. 334.834.8340 f. 334.834.8343
www.brownchambless.com

15 OCTOBER 2008

SITE PLAN

ALABAMA STATE UNIVERSITY MASTER PLAN

MONTGOMERY, ALABAMA

0 200 N

Appendix B

Alabama State University Stormwater Management Program

What is an MS4?

MS4 stands for Municipal Separate Storm Sewer System. The term generally describes the storm drainage system for a public entity. Public universities must develop a stormwater management program to address the potential for pollutants trying to enter and leave the MS4.

In order to better protect our waters and to satisfy our regulatory responsibilities associated with our MS4, Alabama State University has developed a program and a plan for its implementation.

Our stormwater program focuses on five elements that, when implemented together, will help keep local waterways clean and healthy. The five elements are:

1. Public education/public involvement,
2. Illicit discharge detection and elimination,
3. Construction site storm water runoff control,
4. Post-construction storm water management, and
5. Pollution prevention/good housekeeping for municipal operations.

What can I do?

- Read over the goals of the Alabama State University Stormwater Management Program to see how you can help.
- If you see a potential water quality threat, call campus security and Mr. Donald Dotson.
- Help others to document your water quality-related work - let Mr. Donald Dotson know when we do good things for our environment.
- Be a positive example – properly dispose of used oil and other chemicals, don't litter (includes cigarette butts and trash in your truck bed).
- Help to educate others about the potential impacts of stormwater runoff and the quality of water in local waterways.
- Keep in mind that faculty, staff, students, and visitors all have the potential to positively and negatively impact water quality.

Alabama State University is a campus that values our environment, including our local bodies of water. The University is going to continue to take steps towards ensuring that our facilities and surrounding environments are upheld for future generations.

This information sheet is provided to University employees as a part of a series of training intended to increase awareness of ASU's Stormwater Management Program and its MS4 responsibilities. For more information regarding this topic, our obligations, or our program, please contact Mr. Donald Dotson.

Mr. Donald Dotson
Vice President of Facilities Management & Operations
Alabama State University
915 South Jackson Street
Montgomery, AL 36104
334-229-6965 office
334-300-6784 mobile
ddotson@alasu.edu

5-10-22

Facilities Management and Operations

Storm Water Prevention

Sign-In Sheet

Print Name	Signature
Raquel Gildersleeve	
Dwayne Graham	
Kenneth J. Keith	
Aundra Reynolds	
Lesa Wilson	
Alfredia Abernathy	

Facilities Management and Operations

Storm Water Prevention

Sign-In Sheet

Print Name	Signature
Tracy McGreen	
Michael Bradford	
EUGENE HARRIS	
Chris Bibbins	
David Lewis	
JOHNNIE DAVIS	
Carlos Dillard	
Chris Lankford	

Facilities Management and Operations

Storm Water Prevention

Sign-In Sheet

Print Name	Signature
Gerrard Watts	
William Childers	
Reginald Harris	
Joe Zeigler	
Tobias Dunn	
Willie Williams Jr	
Lehman Tucker	
Errol Hosea	
Dekrick Scott	
George J. Kemp	
Orlando Martin	
Raymond Jenkins	
Cruz Rd	Cruz Robinson
Johnny Watkins	Johnny Watkins

Alabama State University
Stormwater Management Program Plan
NPDES Permit ALR040065
Faculty and Staff Awareness

Department: Physical Plant

Employee (Print)	Signature	Date
Lehman Tucker	Lehman Tucker	5-10-22
Gerrard Watts	G. F. Watts	5-10-22
TeTawn Knight	TeTawn Knight	5-10-22
Donald Detson	Donald Detson	5-10-22
Branca Williams	Branca Williams	5-10-22
Raquel Gildersleeve	Raquel Gildersleeve	5-10-22
Dwayne Graham	Dwayne Graham	5-10-22

Alabama State University
Stormwater Management Program Plan
NPDES Permit ALR040065
Faculty and Staff Awareness

Department: Office of General Counsel

Employee (Print)	Signature	Date
Kenneth L. Thomas		5/9/22
Shlinda G. Stoudemire		5/9/22
Jai C. Scott		5/10/22
Ramadanah S. Jones		5/13/22
Tammara Venice	Tammara Venice/HCS	5/18/22

Alabama State University
Stormwater Management Program Plan
NPDES Permit ALR040065
Faculty and Staff Awareness

Department: President's Office

Employee (Print)	Signature	Date
Quinton T. Ross, Jr.		5/10/22
Demetrius McGhee		5/10/22
Julius D. Hunt-Jackson		5/12/22
Demetrius Knight	Demetrius Knight	5/10/22

Alabama State University
Stormwater Management Program Plan
NPDES Permit ALR040065
Faculty and Staff Awareness

Department: Human Resources

Employee (Print)	Signature	Date
Tuquitta McCan	TMcCan	5-13-2022
Renae Daniel	Renae Daniel	5/13/2022
Robin Murry	Robin Murry	5/13/2022
Latisha Phillips	Latisha Phillips	5/13/2022
Deniece Mack	Deniece Mack	5/13/2022
Lolita Josey	Lolita Josey	5/17/2022

Alabama State University
Stormwater Management Program Plan
NPDES Permit ALR040065
Faculty and Staff Awareness

Department: Business & Finance

Employee (Print)	Signature	Date
Bill Hopper		5-10-22
Derrick Carr		5-11-22
Timeka Jackson		5-13-22
Jinelle Hill		5/17/22

Alabama State University
Stormwater Management Program Plan
NPDES Permit ALR040065
Faculty and Staff Awareness

Department: Cashier Services | Bursar

Employee (Print)	Signature	Date
Kay Turpin	Kay Turpin	5.13.22
Arquetta Castleberry	Arquetta Castleberry	5/13/22
ANGIEL TOLEN		05/13/22

Alabama State University
Stormwater Management Program Plan
NPDES Permit ALR040065
Faculty and Staff Awareness

Department: Payroll Department

Employee (Print)	Signature	Date
Kimberly Black	Kimberly Black	5/13/2022
Shanai Hood	Shanai Hood	5/16/2022
Ann Mitchell Cope	Ann Mitchell Cope	5/16/2022
Shira Russell	Shira Russell	5/16/2022

Alabama State University
Stormwater Management Program Plan
NPDES Permit ALR040065
Faculty and Staff Awareness

Department: Grants and Contracts Accounting

Employee (Print)	Signature	Date
Cortnie Matthews	Cortnie Ma	5/13/2022
Camera Hinton	Camera Hi	5/13/2022
Annette Thomas	Annette Thomas	5/13/2022

Alabama State University
Stormwater Management Program Plan
NPDES Permit ALR040065
Faculty and Staff Awareness

Department: Accounting Services

Employee (Print)	Signature	Date
Asedat Salaam		5/13/22
Sandy Jenkins		5/13/22
[illegible]	Sonja Smother	5/13/22
Barbara Boone		5/13/22
[illegible]	Erica D. McKenney	5/13/22
Gail Richardson		5/16/22

Alabama State University
Stormwater Management Program Plan
NPDES Permit ALR040065
Faculty and Staff Awareness

Department: COMPTROLLER'S OFFICE

Employee (Print)	Signature	Date
ALONDREA PRITCHETT	Alondrea Pritchett	5-16-22
ANGELLE GAWRYS	Angelle Gawrys	5-13-22

Alabama State University
Stormwater Management Program Plan
NPDES Permit ALR040065
Faculty and Staff Awareness

Department: Student Accounts

Employee (Print)	Signature	Date
Valerie Glover	V. Glover	5-16-22
Khadine Sherman	K Sherman	5-16-2022

Alabama State University
Stormwater Management Program Plan
NPDES Permit ALR040065
Faculty and Staff Awareness

Department: Budget Office

Employee (Print)	Signature	Date
Andrea Lewis		5/18/2022
Lisa Shipman		5/16/2022

Alabama State University
Stormwater Management Program Plan
NPDES Permit ALR040065
Faculty and Staff Awareness

Department: Procurement, Contracts, Acquisition

Employee (Print)	Signature	Date
EMONY JOHNSON		5/16/2022
Shunquilla Moore		5/16/22
Stanesha Thomas		5/16/2022
Patricia Thomas		5/16/2022

Alabama State University
Stormwater Management Program Plan
NPDES Permit ALR040065
Faculty and Staff Awareness

Department: _Institutional Effectiveness_____

Employee (Print)	Signature	Date
Christine C. Thomas	Christine C. Thomas	5/12/2022
Dorothy Bird-Johnson	Dorothy Bird-Johnson	5/12/2022
Jay Randolph	Jay Randolph	5/13/2022
Avis Wheeler	Avis Wheeler	5/13/2022
Stacey Timmons	Stacey Timmons	5/13/2022
Pernett L. Jenkins	P. Jenkins	5/13/2022
Wendy Cooper-Porter	Wendy Cooper-Porter	5/13/2022
Raymond Green	Raymond Green	5/13/2022
Petrina Moss	Petrina Moss	5/13/2022
Krystal Trone	Krystal Trone	5/13/2022
Jasbaune Williams	Jasbaune Williams	5/13/2022
Cynthia Swain	Cynthia Swain	5/13/2022
Stephanie Sampson	Stephanie Sampson	5/13/2022
LaTonya Kennedy	LaTonya Kennedy	5/13/2020
Rolanda Hurd	Rolanda Hurd	5/13/2022
George Williams	George Williams	5/13/2022
Lathidra Brooks	Lathidra Brooks	5/13/2022
Bryn Bakoyema		5/13/2022
Anwarul Siddiqui	Anwarul Siddiqui	5/13/2022

Appendix C

Stormwater Outfall Mapping and Screening Report

As a requirement of Alabama State University's NPDES Municipal Separate Storm Sewer System (MS4) permit for municipal discharges, the University is required to implement a continual program of detecting and eliminating, to the maximum extent practicable, illicit discharges into its MS4. During the 2021-2022 reporting cycle, Alabama State University dedicated resources to complete outfall mapping and screening for the entire campus in one operational effort. Volkert assisted the University with this work.

Outfall mapping and screening is a part of the University's illicit discharge detection and elimination (IDDE) program and was conducted in accordance with the University's *Outfall Mapping and Screening Plan* initially in August 2019 and was updated in February 2022. This effort resulted in an inventory of all known stormwater outfalls as defined by Alabama State University's Stormwater Management Program Plan (SWMPP).

14 outfalls were discovered and mapped within the University's MS4. Due to a 72-hour dry antecedent period prior to the mapping effort, dry weather screening was also performed as a part of a program designed to detect and address non-stormwater discharges within the University's MS4. 100% of the University's 14 outfalls were screened for potential illicit discharges in February 2022. Of the 14 outfalls identified, six outfalls were located near the Carter Hill Road corridor to the south of campus, six outfalls were identified in the northwest corner of campus, and two outfalls were identified along Pineleaf Street on the eastern extent of campus.

To facilitate the mapping and screening effort, Volkert utilized GPS technology via a tablet-based ARCGIS program to locate and store the data associated with each outfall in a GIS layer.

Field observation to identify and locate outfalls includes collection of the following data and attributes:

- Outfall coordinates
- Conveyance type (ditch, culvert, pipe, etc.)
- Conveyance shape
- Conveyance size (pipe diameter, ditch width and depth, box culvert dimensions, etc.)
- Conveyance material (RCP, PVC, CMP, etc.)
- Outfall condition
- Outfall receiving water
- Photo of each outfall

For the purpose of this mapping effort, the definition of an outfall is as follows:

Outfall - *a location where concentrated stormwater runoff discharges, primarily from constructed conveyances, leave the influence of land uses within developed areas of the University's MS4 boundary, flowing toward the boundary of another MS4 or to a water of the State, as identified on the most current version of the National Hydrography Dataset maintained by the USGS.*

Given that Alabama State University's MS4 boundary is surrounded by the City of Montgomery's MS4, stormwater flows from within the University's closed stormwater sewer system into the City of

Montgomery's closed stormwater sewer system. For this outfall mapping effort, outfalls were located at the closest accessible location along the conveyance prior to leaving the University's MS4 boundary.

In order to locate these outfall locations, the Volkert team analyzed the natural topography of the land in relation to the MS4 boundary and waters of the state to identify areas of potential outfalls. Once these zones were identified, the team walked these areas to locate outfalls as defined above and stored the data within the ARCGIS program.

Outfall screening observations were made during the mapping effort and described within the ARCGIS program. All discharges were screened for potential illicit discharges. The initial screening performed during this effort was basic, utilizing characteristics observed based on odor, color, turbidity, and presence of floatables to eliminate or to help identify the potential illicit discharges.

No potential illicit discharges were observed in any of the University's stormwater outfalls during the outfall mapping and screening effort.

Mapping and screening of Alabama State University's outfalls was updated in February 2022. This satisfies the NPDES permit requirements to screen 100% of the University's known outfalls within a five-year permit cycle.

Attached is a spreadsheet that lists all known outfalls within Alabama State University's MS4 boundary. Additional documentation and GIS data will be kept on file by Volkert and are available as needed.

ALABAMA STATE UNIVERSITY
OUTFALL KEY MAP

VOLKERT | Green Infrastructure

FIGURE 1

FIGURE 2

FIGURE 3

LEGEND

- =OPEN CONVEYANCE OUTFALL
- =ENCLOSED CONVEYANCE OUTFALL
- =CITY OF FULTONDALE MS4 BOUNDARY

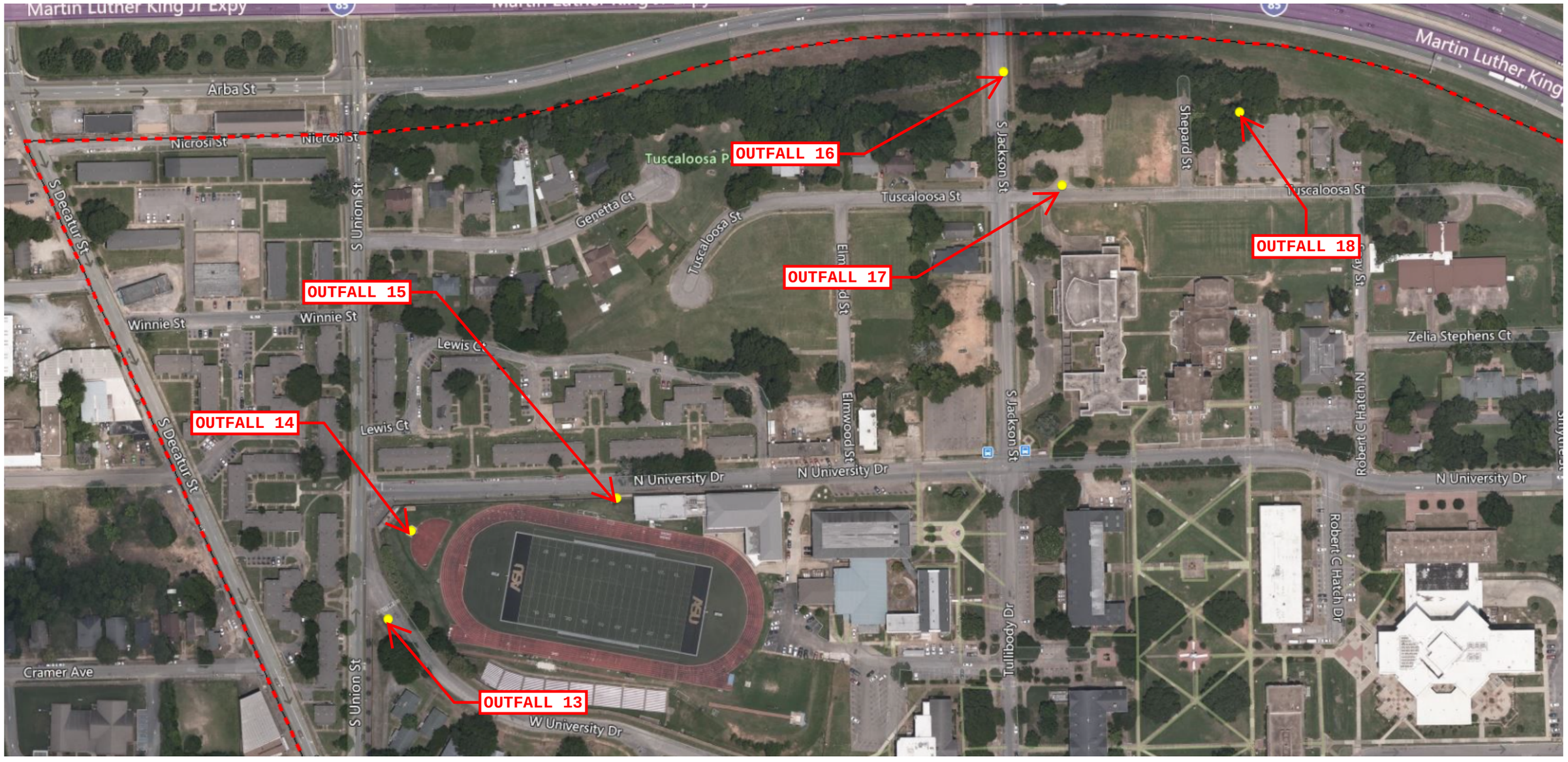

Martin Luther King Jr Expy
Arba St
Nicrosi St
Nicrosi St
S Decatur St
S Union St
Tuscaloosa P
Genetta Ct
Tuscaloosa St
Tuscaloosa St
S Jackson St
Shepard St
Tuscaloosa St
Martin Luther King
OUTFALL 16
OUTFALL 17
OUTFALL 18
OUTFALL 15
OUTFALL 14
OUTFALL 13
Winnie St
Winnie St
Lewis Ct
Lewis Ct
Elmwood St
Zelia Stephens Ct
Robert C Hatch N
N University Dr
N University Dr
N University Dr
Tullibody Dr
Robert C Hatch Dr
Cramer Ave
S Union St
W University Dr

FIGURE 1

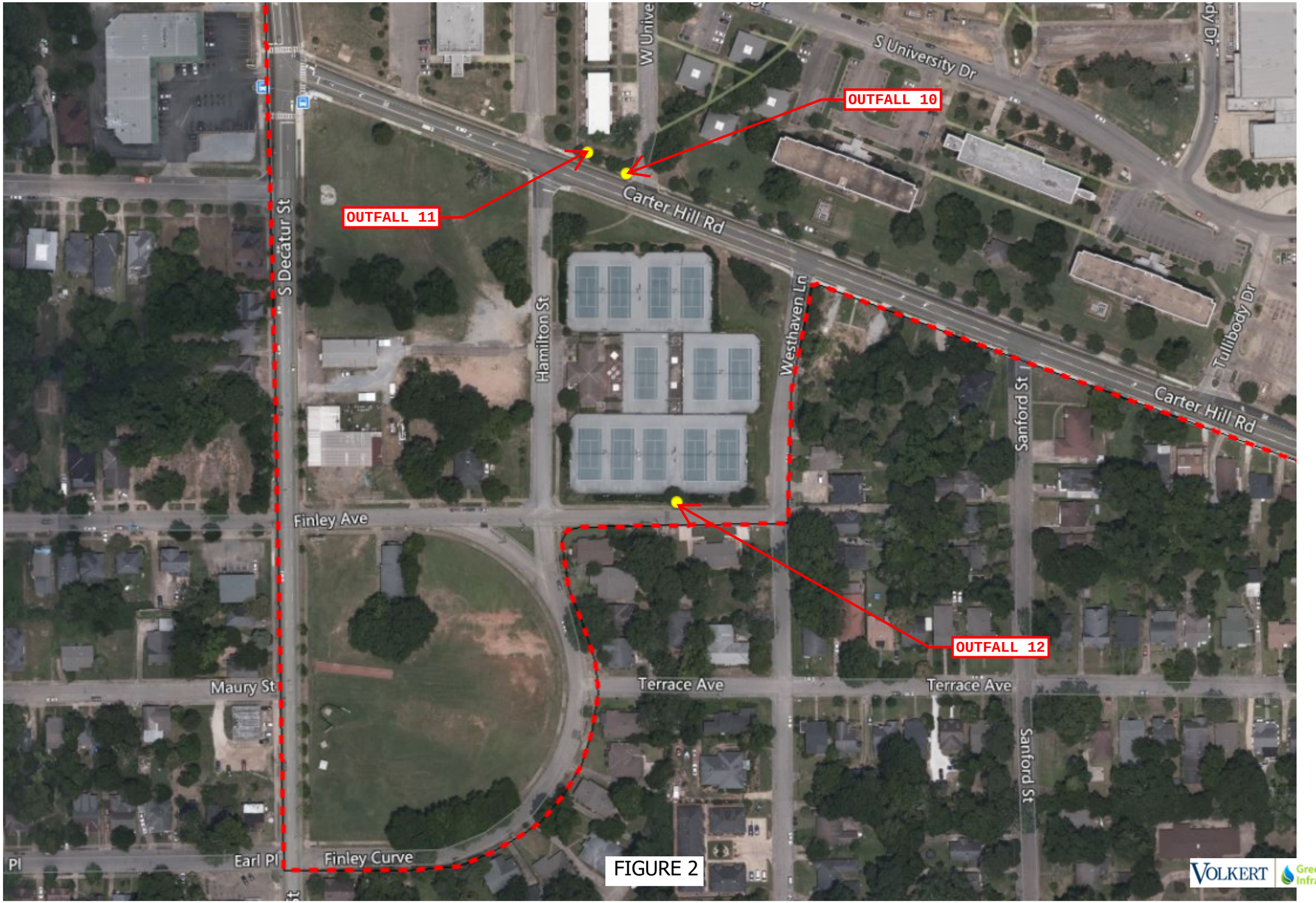

OUTFALL 10
OUTFALL 11
OUTFALL 12
S University Dr
Carter Hill Rd
S Decatur St
Hamilton St
Westhaven Ln
Sanford St
Tullibody Dr
Finley Ave
Maury St
Terrace Ave
Earl Pl
Finley Curve

FIGURE 2

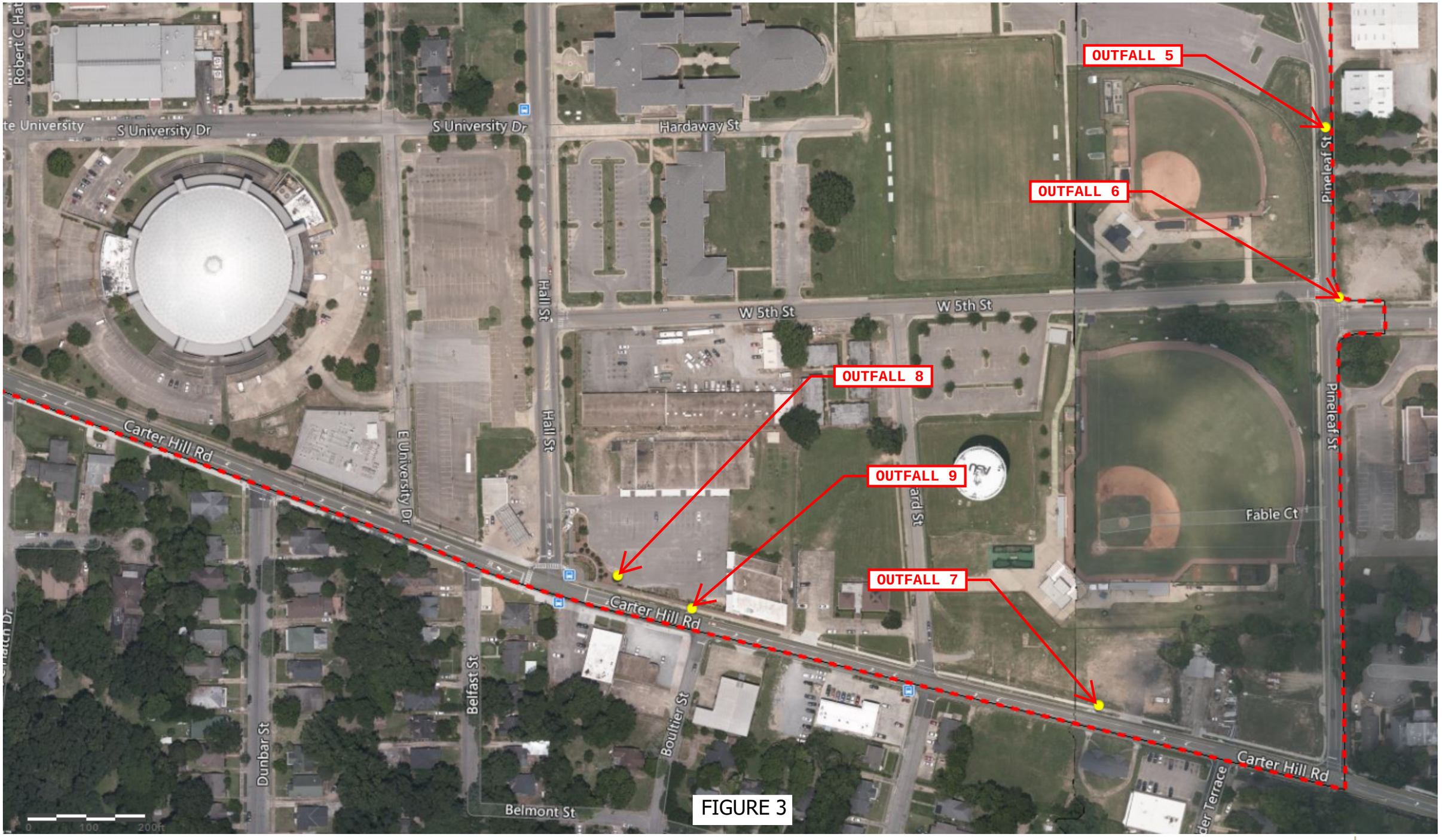

OUTFALL 5
OUTFALL 6
OUTFALL 8
OUTFALL 9
OUTFALL 7
S University Dr
Hardaway St
Hall St
W 5th St
Pineleaf St
Carter Hill Rd
E University Dr
Belfast St
Dunbar St
Boultier St
Belmont St
Fable Ct
0
100
200ft

FIGURE 3

Note: X and Y location is based on WGS 1984 Web Mercator Coordinate System

Count	Outfall ID	x	y	Outfall Type	Enclosed Conveyance Material	Enclosed Conveyance Opening Size	Enclosed Conveyance Number of Barrels	Enclosed Conveyance Material Comment
1	5	-9605426.503	3810982.678	Enclosed	RCP	15"	1	15” in from west. 15” in from north
2	6	-9605418.519	3810878.864	Enclosed	RCP	18"	2	Elliptical pipe out 28”x18”. 2 in pipes coming in
3	7	-9605565.335	3810629.766	Enclosed	RCP	15"	1	Grated drop inlet. Small portion obstructed.
4	8	-9605858.599	3810709.368	Enclosed	RCP	15"	1	Curb inlet in parking lot
5	9	-9605813.166	3810689.073	Enclosed	RCP	8"	1	Curb inlet in street
6	10	-9606685.514	3811009.62	Enclosed	RCP	12"	1	Curb inlet in road
7	11	-9606706.385	3811020.163	Enclosed	RCP	12"	1	Curb inlet in road, debris obstruction noted
8	12	-9606658.844	3810833.065	Enclosed	RCP	12"	1	Curb inlet in street draining tennis courts
9	13	-9606853.408	3811290.703	Enclosed	RCP	18"	1	Combo into in road
10	14	-9606838.474	3811347.984	Enclosed	Other (See Enclosed Material Comment)	12"	1	Petrified clay
11	15	-9606703.739	3811369.336	Enclosed	RCP	18"	1	Grated drop inlet on side of field
12	16	-9606450.653	3811648.849	Enclosed	RCP	18"	2	2 18” pipes out falling to culvert under road
13	17	-9606411.784	3811573.968	Enclosed	RCP	15"	1	Curb inlet in road
14	18	-9606295.883	3811621.603	Enclosed	HDPE	15"	1	Curb inlet in parking lot

Photo 1: View of outfall 5 in.

Photo 2: View of outfall 5 out.

Photo 3: View of outfall 6 in.

Photo 4: View of outfall 6 out.

Photo 5: View of outfall 7 in.

Photo 6: View of outfall 7 out.

Photo 7: View of outfall 8 in.

Photo 8: View of outfall 8 out.

Photo 9: View of outfall 9 in.

Photo 10: View of outfall 9 out.

Photo 11: View of outfall 10 in.

Photo 12: View of outfall 10 out.

Photo 13: View of outfall 11 in.

Photo 14: View of outfall 11 out.

Photo 15: View of outfall 12 in.

Photo 16: View of outfall 12 out.

Photo 17: View of outfall 13 in.

Photo 18: View of outfall 13 out.

Photo 19: View of outfall 14 in.

Photo 20: View of outfall 14 out.

Photo 21: View of outfall 15 in.

Photo 22: View of outfall 15 out.

Photo 23: View of outfall 16 in.

Photo 24: Views of outfall 16 out.

Photo 25: View of outfall 17 in.

Photo 26: View of outfall 17 out.

Photo 27: View of outfall 18 in.

Photo 28: View of outfall 18 out.

Appendix D

ADEM FIELD OPERATIONS DIVISION – NPDES CONSTRUCTION, AND NONCOAL MINING LESS THAN 5 ACRES STORMWATER INSPECTION REPORT AND BMP CERTIFICATION

RESPOND WITH "N/A" AS APPROPRIATE. FORMS WITH INCOMPLETE OR INCORRECT ANSWERS, OR MISSING SIGNATURES WILL BE RETURNED AND MAY RESULT IN APPROPRIATE COMPLIANCE ACTION BY THE DEPARTMENT. IF SPACE IS INSUFFICIENT, CONTINUE ON AN ATTACHED SHEET(S) AS NECESSARY. PLEASE TYPE OR PRINT IN INK.

Complete this form, attach additional information as necessary, and send report to the nearest ADEM office.Item I.

Registrant Name ALABAMA STATE UNIVERSITY		Facility/Site Name ASU EXPANSION		
NPDES ALR16EEUR	County MONTGOMERY	Facility Contact and Title KIPPY TATE,VICE PRESIDENT, BUILDING AND GROUNDS		
Facility Latitude & Longitude (decimal or deg,min,sec) N 32 21 41, W 86 18 41		Facility Street Address or Location Description 915 SOUTH JACKSON ST		
Township(s), Range(s), Section(s) T 16 N R 18 E SEC 18		City MONTGOMERY	State AL	Zip 36101
Phone Number 334 229 4100	Fax Number 334 420 1500244 1512	E-Mail Address N/A		

Item II.

List name of current ultimate receiving water(s) (indicate if through MS4) and the number of disturbed acres which drain through each treatment system or BMP:

Receiving Water	Disturbed Acres	Receiving Water	Disturbed Acres
_GENETTA DITCH	____15_____	_____	_____

Item III.

☐ Any Discharge Sampling Data Attached. ☐ Any Instream Sampling Data Attached. ☐ Any Photographs attached.

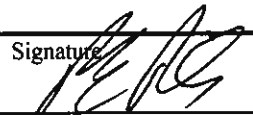
X Based on this site evaluation which a QCI, QCP, or a qualified person under the direct supervision of a QCP conducted, discharge and/or instream sampling is not necessary to properly evaluate the effectiveness of BMP implementation to ensure compliance with this registration. I understand that it is the responsibility of the registrant to know and effectively evaluate the quality of the stormwater being discharged. Lack of knowledge regarding the requirements of ADEM Administrative Code Chapter 335-6-12, stormwater discharge or instream water quality, shall not constitute a valid defense with regard to deficiencies in BMP implementation and maintenance, or negative impacts to water quality.

Item IV.

INSPECTION RESULTS: (Describe current activities, deficiencies, proposed corrective action(s) and compliance schedule, etc.)

_____See Attached Report

"Based upon the inspection of (date & time) ____1-24-11 2.00 PM_____ by the QCP, QCI, or a qualified person(list:____P E PILGREEN_____) under the direct supervision of the QCP identified below conducted, the QCI or QCP identified below certifies that effective structural and non-structural BMPs have been fully implemented and regularly maintained to the maximum extent practicable for the prevention and minimization of all sources of pollution in stormwater and authorized related process wastewater runoff, **except for those deficiencies noted above**, in accordance with the facility's CBMPP, good sediment, erosion, and other pollution control practices, and the requirements of ADEM Administrative Code Chapter 335-6-12. I certify that discharges have been tested or evaluated for the presence of non-stormwater and non-authorized process wastewaters. I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate 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 fines and imprisonment for knowing violations."

Name & Designation of QCI or QCP	Signature	Date
P E PILGREEN, PE		1-25-11
Name & Title of Registrant Responsible Official	Signature	Date

ALABAMA STATE UNIVERSITY
ADEM INSPECTION REPORT
1-24-11

SITE 1 – SOFTBALL FIELD

NO WORK

SITE 2 – LIBRARY

CLEAN STREET

MAINTAIN SILT FENCE ON WEST END

SITE 3 – RESIDENTIAL DORMS

CLEAN STREETS

MAINTAIN INLET PROTECTION

SITE 4 – CARTER HILL RD

NO BMP's INSTALLED

OTHER

DORM- CLEAN DEBRIS

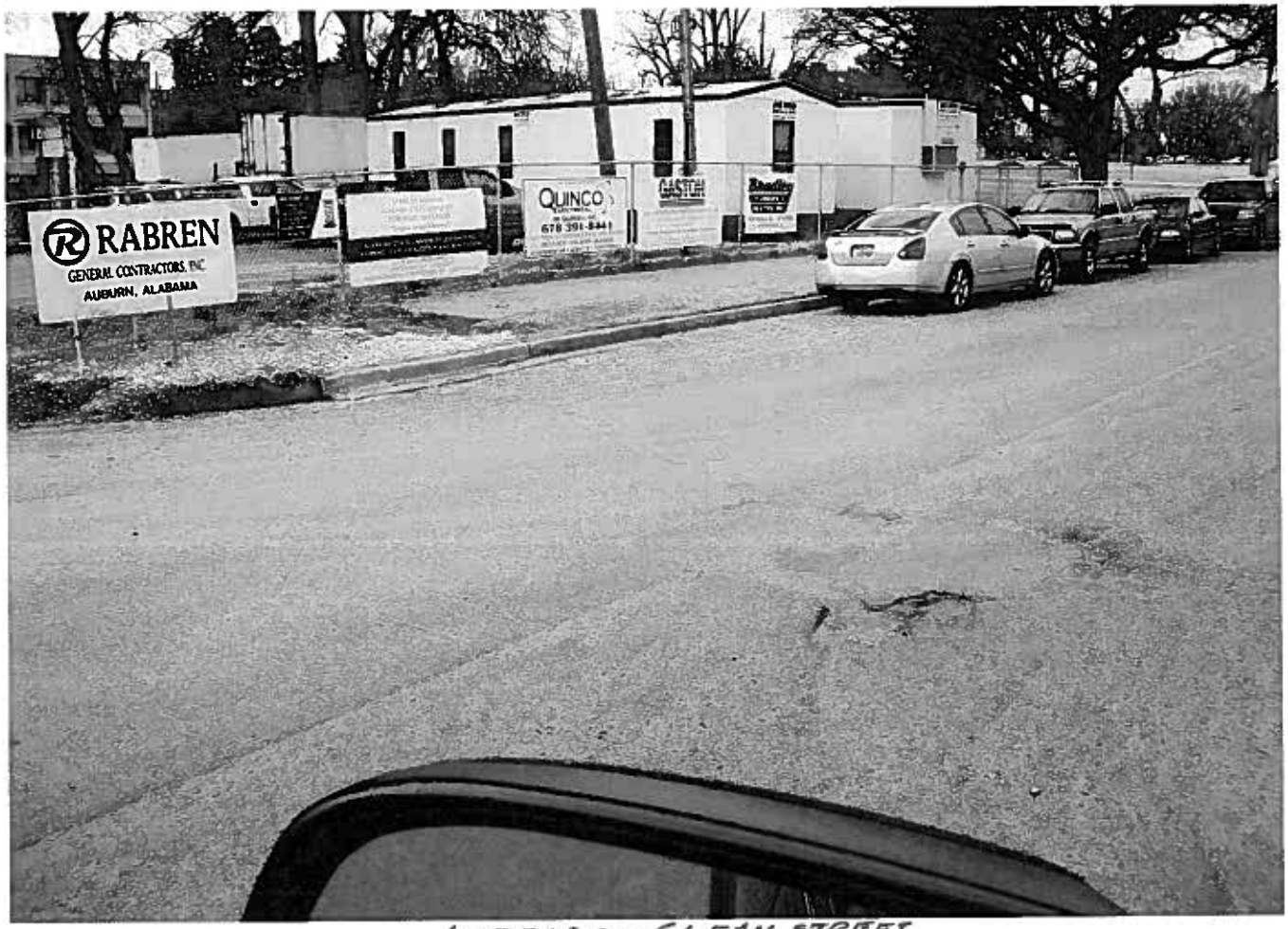
DORMS - CLEAN STREET

DORMS- CLEAN STREET

· DORMS - MAINTAIN STRUCTURAL BMP'S

LIBRARY - CLEAN SILT FENCE

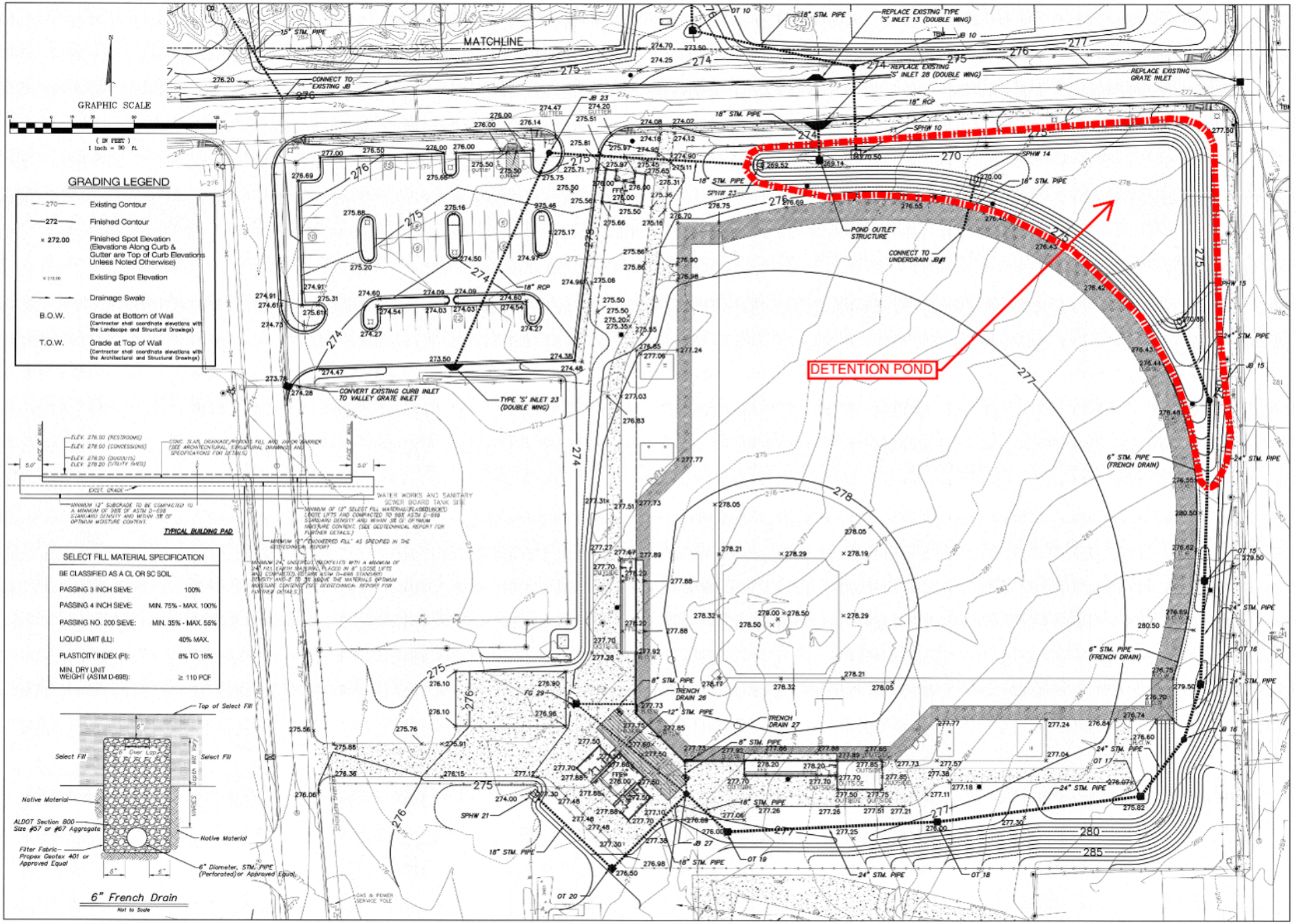
CARTER HILL RD - INSTALL BMP's



LIBRARY - CLEAN STREET

RESIDENTIAL - CLEAN STREET

Appendix E



GOODWYN, MILLS & CAWOOD, INC.
ENGINEERING
ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
2660 EastChase Lane, Suite 200
Montgomery Alabama 36117
Phone: (334) 271-3200
Fax:(334) 272-1596
2701 1st Avenue South, Suite 100
Birmingham Alabama 35233
Phone: (205) 879-4492
Fax:(205) 879-4493
11 North Water Street, Suite 10250
Mobile, Alabama, 36602
Phone: (251) 460-4008
Fax: (251) 460-4423
213-C Church Street
Andalusia, Alabama 36420
Phone: (334) 222-2699
Fax: (334) 222-3373

Alabama State University Baseball & Intramural Field Project

Montgomery , AL

GMC No. C-09-006
ASU Bid No. 1758-2010
ABC No. 2010030

ALABAMA LICENSED PROFESSIONAL ENGINEER GEORGE T. CAMPBELL
03/26/10

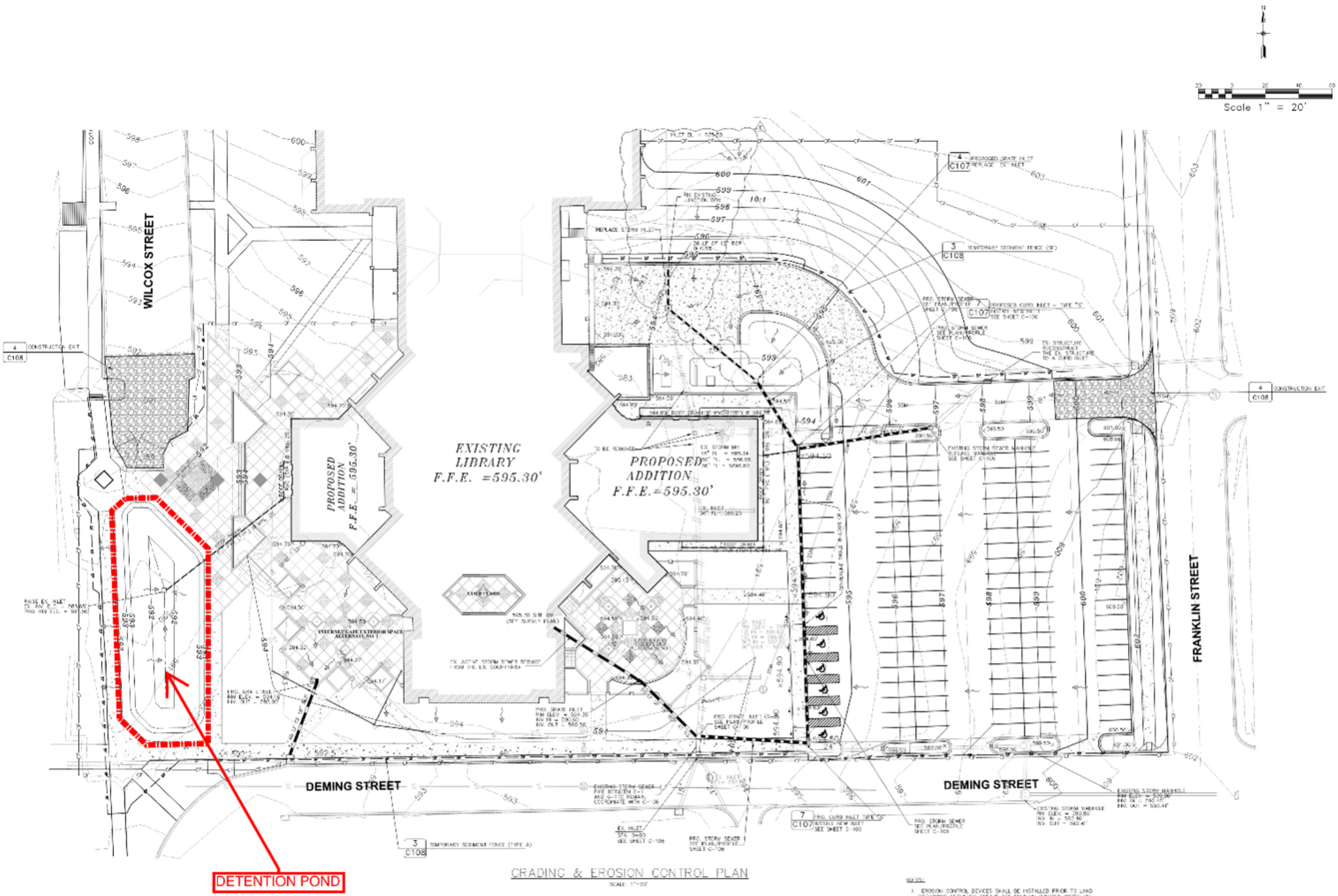
issue	date
ABC Submittal	01.08.10
Final	02.05.10
Rebid	03.23.10

drawn by:

GRADING PLAN, PART B

C-602

sheet 16 of 89



CRADING & EROSION CONTROL PLAN

SCALE: 1"=20'

LEGEND

225.0	PROPOSED MAJOR CONTOUR
222.0	PROPOSED MINOR CONTOUR
221	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR
x855.00	SPOT ELEVATION
— SF — SF —	SILT FENCE
	PROPOSED STORM SEWER
— # — # —	EXISTING STORM SEWER LINES AND CONNECTED INLETS TO BE REMOVED

NOTES:

1. EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO LAND DISTURBING ACTIVITIES. PLEASE SEE EROSION CONTROL NOTES ON SHEET C 101
2. THE CONTRACTOR SHALL CONDUCT GRADING OPERATIONS TO PREVENT STANDING WATER CONDITIONS. SURFACE WATER MUST DRAIN AWAY FROM THE BUILDING AND TOWARDS THE DRAINAGE PATTERN SHOWN.
3. ALL AREAS DISTURBED BY GRADING OPERATIONS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH THE CITY OF MONTGOMERY STANDARDS.
4. CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ADEQUATE EROSION/SEDIMENTATION CONTROL DURING ALL PHASES OF CONSTRUCTION.
5. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING MUD AND DEBRIS OFF CITY STREETS AND RIGHT OF WAYS. CLEAN UP IS REQUIRED DAILY.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE REPLACEMENT OF SIDEWALK AND/OR CURB AND GUTTER DAMAGED DURING CONSTRUCTION.
7. COORDINATE WITH HORIZONTAL CONTROL PLANS AND DETAILS FOR ADDITIONAL REQUIREMENTS CONNECTING BED DRAIN LINES TO NEW STORM DRAINS.
8. THE CONTRACTOR SHALL COMPLY WITH RECOMMENDATIONS OF GEO-TECHNICAL REPORT.
9. THE CONTRACTOR SHALL COORDINATE CONNECTIONS OF ROOF DRAINS TO STORM SEWERS WITH SHEET P201.
10. THE ELEVATIONS SHOWN ARE ESTIMATED BASED ON THE DATA AVAILABLE. THE CONTRACTOR SHALL FILED VERIFY ALL ELEVATIONS PRIOR TO CONSTRUCTION.
11. THE CONTRACTOR SHALL SUBMIT UNIT PRICES FOR THE FOLLOWING:
    A. TOTAL CUT: 1430.0 CY.YD. INCLUDING UNDERCUT (250.0 CY.YD.)
    B. TOTAL FILL: 2850.0 CY.YD.

CE ASSOCIATES

ARCHITECT

ALABAMA LICENSED No. 23733 PROFESSIONAL ENGINEER CHANDRA P. ABESINGHA

CONSULTANT

RELEASES/DATES

1. 3-11-2009 - RESPONSE TO ECU AND A.G. GASTON COMMENTS
2. 12-28-2009 - RESPONSE TO SIWWSB COMMENTS
3. 3-22-2010 - RESPONSE TO CHANGE IN EX. INV. ELEVATIONS
4. 6-28-2010 - RESPONSE TO CONTRACTOR'S REQUEST
5. 7-6-2010 - RESPONSE TO FIELD CONDITIONS

BC No. 2007-157

PROJECT TITLE

LIBRARY EXPANSION & RENOVATION FOR THE LEVI WATKINS LEARNING CENTER
ALABAMA STATE UNIVERSITY
MONTGOMERY, ALABAMA

NOT FOR CONSTRUCTION ☐
RELEASED FOR CONSTRUCTION ■

DATE : June 23, 2009
DRAWN BY : JAS/FLB
REVIEWED BY : CPA

100 WEST VALLEY AVENUE
SUITE 100
BIRMINGHAM, AL 35209
OFFICE : 205.941-1515
FAX : 205.941.1516

SHEET TITLE
CIVIL GRADING/EROSION CONTROL PLAN

DRAWING NUMBER
C104

PROJECT NUMBER
A200510

SHEET ____ OF ____

Football Stadium Subsurface Stormwater Detention under Construction

Appendix F

SWMPP MEASURES AND GOALS SUMMARY TABLE

✓	Minimum Control Measure		Practice/Goal Description	Goal Measure	Goal Date/Frequency	Responsible
	1. Public Education and Public Involvement on Stormwater Impacts	1.1	Stormwater Management Program Plan (SWMPP)	review annually, update if necessary	**5/31 Annually**	Facilities and Operations Department
		1.2	SWMP Annual Report	create and submit to ADEM annually	**5/31 Annually**	Facilities and Operations Department
		1.3	ASU Stormwater Webpage	Review annually, update if necessary	**3/31 Annually**	Technology Services
		1.4	University Staff Training	Train staff annually	**3/31 Annually**	Facilities and Operations Department
		1.5	Storm Drain Marking	Maintain storm drain markings as needed	**Ongoing**	Facilities and Operations Department
		1.6	Social Media Postings	develop consistent message during the 2022/2023 academic year, implement during the 2023/2024 academic year	**March 31, 2024**	Technology Services
		1.7	Stormwater Awareness Surveys	develop consistent message during the 2022/2023 academic year, implement during the 2023/2024 academic year	**March 31, 2024**	Technology Services
	2. Illicit Discharge Detection and Elimination (IDDE) Program	2.1	Outfall Inventory and Mapping	update 100% of outfall mapping once per permit term	**March 31, 2023**	Facilities and Operations Department
		2.2	Outfall Screening	screen 100% of all outfalls once per permit term	**March 31, 2023**	Facilities and Operations Department
		2.3	IDDE Awareness Training	Provide IDDE training to facility staff once per permit term	**March 31, 2023**	Facilities and Operations Department
	3. Construction Site Stormwater Runoff Control	3.1	Construction Site Plan Review for New and Redevelopment	review plans as submitted	**Ongoing**	Program Management team under Facilities and Operations Department
		3.2	Construction Site Inspection and Reporting	review procedures annually, update if necessary; inspect construction activities per required frequencies; develop and implement a construction site inspection form by September 30, 2022	**Ongoing**	Facilities and Operations Department
		3.3	Construction Site Inventory	develop and maintain an inventory of construction sites	**September 30, 2022**	Facilities and Operations Department
	4. Post-Construction Stormwater Management in New Development and Redevelopment	4.1	Post-Construction Procedures for New and Redevelopment	review once per permit term, update if necessary	**March 31, 2024**	Facilities and Operations Department
		4.2	Policy/Procedures for Maintenance of Stormwater Controls	review once per permit term, update if necessary	**March 31, 2024**	Facilities and Operations Department
		4.3	Plan Review for New and Redevelopment	review plans as submitted	**Ongoing**	Facilities and Operations Department
		4.4	Promote Low Impact Development (LID)/Green Infrastructure	develop a statement encouraging LID/green infrastructure	**March 31, 2023**	Facilities and Operations Department
	5. Pollution Prevention/Good Housekeeping for Municipal Operations	5.1	Facilities Visual Audit	Complete facilities inspection including checklists and procedures for correcting noted deficiencies	**March 31, 2025**	Facilities and Operations Department
		5.2	Standard Operating Procedures	maintain and update SOP's as needed	**Ongoing**	Facilities and Operations Department
		5.3	Staff Training of Standard Operating Procedures	Incorporate SOP staff training into monthly safety meetings	**March 31, 2023**	Facilities and Operations Department
		5.4	Motor Oil Disposal	recycle as needed	**Continual**	Facilities and Operations Department
		5.5	Cooking Oil Disposal	recycle as needed	**Continual**	Concessionaire Under Facilities and
		5.6	Campus Trash Pick-up	trash receptacles emptied on a weekly basis	**Continual**	Facilities and Operations Department
		5.7	Vegetated Debris Collection	vegetation debris disposal after all landscape maintenance	**Continual**	Facilities and Operations Department