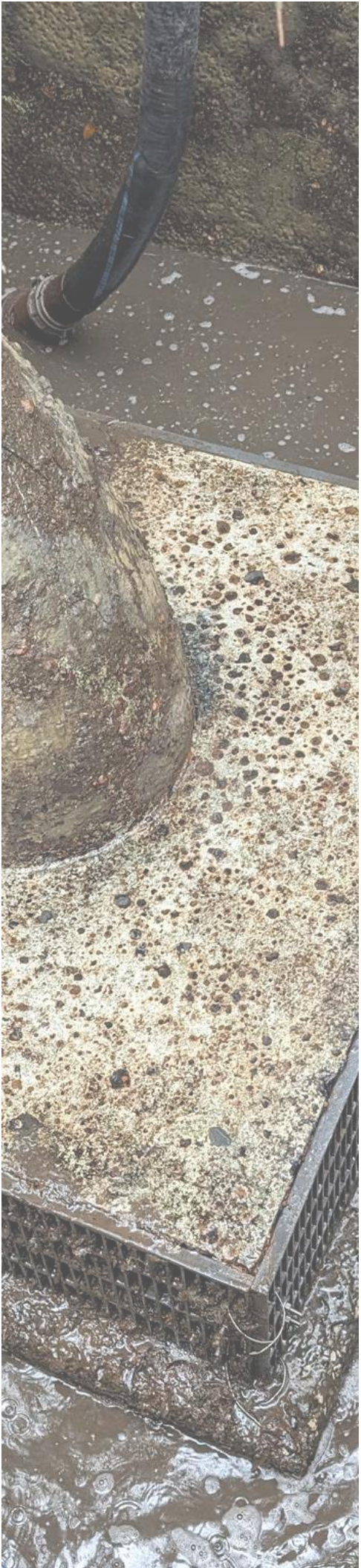

Attachment G – Lake Alice Watershed – Stormwater Infrastructure Operation and Maintenance Plan

Prepared for

University of Florida

August 2024

Prepared by

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Section 1.0 Introduction

This document is an updated Stormwater Infrastructure Operation and Maintenance (O&M) Plan for the stormwater system serving the University of Florida's Main Campus in Gainesville, Florida. This O&M Plan is largely based on Jones Edmunds's O&M Plan for the University developed in 2018 (Jones Edmunds, 2018), and updated to provide recommendations based on observations of the stormwater system and discussions with Facilities Services and Grounds staff.

UF does not have a consistent source of funding for the stormwater O&M. Stormwater maintenance is split between Facility Services, Utilities and Energy Services (gray infrastructure) and Facility Services, Operations and Grounds Departments (green infrastructure). Anecdotally, UF reports that most of their stormwater maintenance is focused on preventing damage from flooding by deploying sandbags in key locations or repairing damage following storm events. Damage is typically in the form of blocked stormwater inlets, erosion, or removing sediment deposits.

The University's stormwater system is a complex system of integrated features that includes inlets, drains, closed conduits, open channels, creeks, detention/retention facilities, sinkholes, control structures, wetlands, pump stations, recharge wells, and Lake Alice.

This Plan provides the procedures and schedule for routine O&M of the stormwater system.

This O&M Plan should be maintained as a living document and updated annually to incorporate:

- All new components added to the stormwater system.
- The O&M instruction manuals for all manufacturer-supplied equipment.
- Changes or clarifications in the O&M responsibilities of the departments within the University of Florida.
- Revisions in O&M procedures as recommended by the "boots on the ground" maintenance staff.
- Updated information regarding labor hours and equipment used. This should be based on information recorded in the Asset Management System.

1.1 Responsibility

The University of Florida is responsible for approving the design, construction, operation, and maintenance of all stormwater system components on the Main Campus. These responsibilities include ensuring that the stormwater system:

- Protects the safety of the public.
- Protects the safety of the operating personnel.
- Protects the infrastructure on campus and the contributing area in the City of Gainesville.
- Operates during emergency situations.
- Provides contingency plans to ensure operation in emergency situations.

1.2 Interlocal Agreements

The University of Florida Board of Trustees has entered into agreements with the City of Gainesville and Alachua County that govern the development of campus and the provision of services between the University, City, and County. These agreements have formalized the funding of services and the transfers of funds between the entities and have allowed the University to establish lists of projects that may advance, within the terms of the agreement, without additional coordination with the City and County. These agreements have included the:

- Campus Development Agreement of 2006 (City of Gainesville, 2006)
- Campus Development Agreement of 2015 (City of Gainesville, 2015)
- Campus Development Agreement of 2022 (City of Gainesville, 2022)

1.3 Stormwater Permits

Stormwater infrastructure on the University of Florida Main Campus is governed under two programs. The permits under these programs are summarized below:

- The Florida Department of Environmental Protection (FDEP)
    - National Pollutant Discharge Elimination System (NPDES) – Phase II Municipal Separate Storm Sewer System (MS4) Permit No. FLR04E067
    - The MS4 permit recognizes Lake Alice as a natural waterbody and a receiving water for the MS4.
- St. Johns River Water Management District (SJRWMD)
    - Environmental Resources Permits
        - University of Florida Master Drainage System
            - Permit No. 15570-19 exp Nov 2022
            - Authorizes projects on University-owned land within the:
                - Lake Alice Watershed
                - UF Depressional Basins Watershed
        - Recognizes Lake Alice as a Class III waterbody.
        - Recognizes Lake Alice as the permitted stormwater pond.
        - General or Individual Permits for projects within the:
            - Hogtown Creek Watershed
            - Tumblin Creek Watershed
            - Depressional Basins UF-11, UF-12, and UF-14
        - General or Individual Permits for projects on land that is not owned by the University.

- Privately owned land along Fraternity Drive.
- Medical Facilities operated by the United States Department of Veterans Affairs (VA) or Shands Hospital on land owned by the VA.

- Projects on University-owned land on the Main Campus are exempted from stormwater permits and requirements from the City of Gainesville and Alachua County under the Campus Development Agreement. Projects on privately-owned parcels, such as those on Fraternity Drive or Sorority Row, are permitted through the City of Gainesville.

1.3.1.1 Municipal Separate Storm Sewer System (MS4) Permit

The MS4 program is part of a program created by the Federal Clean Water Act, called the National Pollutant Discharge Elimination System (NPDES). The NPDES is a federal program, administered by the FDEP, that regulates point source discharges of pollutants into Waters of the United States (WOTUS). The University was permitted as an MS4 under the Phase II regulations in 1999, which included non-traditional MS4s including public universities.

The MS4 permit conditions list best management practices (BMPs) that the University will use to minimize the discharge of pollutants from the storm sewer system into receiving waters. The University's MS4 permit (FLR4E067) lists the receiving waters to which the MS4 discharges as:

- Lake Alice (closed basin), which FDEP lists as impaired for total phosphorus.
- Hogtown Creek (closed basin), which FDEP lists as impaired for total phosphorus.
- Tumblin Creek/ Bivens Arm Lake to the Orange Creek Basin, which FDEP lists as impaired for nutrients (chlorophyll a).

Lake Alice is listed as a receiving water and is considered a WOTUS. Appendix A provides a memo summarizing the basis, and history, of the U.S. Environmental Protection Agency's determination of Lake Alice as a WOTUS in 1979 based on the definition in 40 CRF 120.2 (a)(1)(i) *"Waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce..."*. EPA determined that Lake Alice was a WOTUS based on the historical or potential future use of the lake by out-of-state or foreign students. This justification is a legal determination at a point in time based on the relevant rules at the time.

It is worth noting that Lake Alice appeared as a natural lake as early as the USGS 1890 topographic survey. This is significant because it shows that Lake Alice was not excavated from uplands for the purpose of waste treatment, and it is appropriate to consider it a natural lake which was altered to provide flood storage, waste treatment, and stormwater treatment.

The MS4 permit is a General Permit which uses a prescriptive approach to assign management practices that support the water quality requirements of the Clean Water Act. The Generic Permit requires the MS4 Operator to develop and implement a Stormwater Management Program (SWMP) that includes six minimum control measures, with measurable goals for evaluating the programs' effectiveness. The six minimum control measures are:

1. Public education and outreach
2. Public participation / involvement
3. Illicit discharge detection and elimination

4. Construction site stormwater runoff control
5. Post-construction stormwater management in new development and redevelopment
6. Pollution prevention/ good housekeeping practices for municipal operations

The requirements of the MS4 Permit overlap with the O&M tasks listed in this report. The MS4 permit requires the operator to:

- Reduce the discharge of pollutants to the "maximum extent practicable" (MEP).
- Protect water quality.
- Satisfy the water quality requirements of the Clean Water Act—including requiring activities to address impaired waterbodies with Total Maximum Daily Loads (TMDLs) for regulated MS4s that discharge into TMDL waterbodies.

Table 1 lists UF's specific control measures, measurable goals, and the Departments responsible. The FDEP MS4 permit fee is $5,625 for populations of less than 10,000, $7,998 for populations between 10,000 and 50,000, and $11,700 for populations of more than 50,000 every five years (one term of coverage).

Table 1. University of Florida MS4 Permit Required Elements

MS4 ID/ BMP #	BMP Description	Measurable Goal	Schedule for Implementation/ Completion	Summary of Results
1a 01	WEBPAGE An existing website will be maintained that provides stormwater related information for the campus community. The site will continue to focus on general and campus specific stormwater issues, upcoming activities, and things that individuals can do to minimize their impact on stormwater. It will also include information addressing the hazards associated with illicit discharges and improper dumping to the MS4. Webmaster tracks page views of stormwater-related information pages in real-time. The website titled: "UF Clean Water Campaign" is active and can be viewed at: http://campuswaterquality.ifas.ufl.edu/	Document and report the number of page views to pages with stormwater specific information.	Current and ongoing.	1. UF IT has migrated the Clean Water Campaign website to a platform that will allow tracking moving forward. The new URL is: https://www.facilitiesservices.ufl.edu/cleanwater/ May 2022 to May 2023 Combined Overall Views: 327 Total Users: 120 Avg Time Spent: 00:01:16

MS4 ID/ BMP #	BMP Description	Measurable Goal	Schedule for Implementation/ Completion	Summary of Results
1a 02	MEDIA OUTREACH Informational announcements identifying specific stormwater concerns will be made through various internet media outlets other than the UF Clean Water Campaign website, including the Facilities Services' Facebook, Twitter, and Instagram accounts, and WUFT radio.	1. Document and report the number of stormwater-related public service announcements through various media outlets. 2. Report the number of viewers/followers. 3. Report the number of recipients. 4. Document and report the number of students informed of the need to regularly check their vehicle for leaks. Information is transmitted to the student body and staff.	1. Current and ongoing. 2. Current and ongoing. 3. Current and ongoing. 4. Current and ongoing.	1. Fourteen storm water/ground water related Blogs via UF IFAS. Four storm water/ground water related posts via UF IFAS Facebook Page (UF IFAS News). Two messages related to storm water/ground water through Facilities Services Friday Newsletter. One newsletter related to storm water sent via UF Transportation and Parking. 2. The Facebook PSAs were available to an audience of 24,000 people. 3. The Facilities Services Friday newsletter PSAs were distributed to 700 subscribers. 4. 28,024 accounts received the vehicle leak PSA from UF Transportation and Parking Services.
1a 03	PRESENTATION TO CAMPUS STUDENT ORGANIZATIONS At least four presentations to campus student organizations will be conducted each year. Presentations will identify specific campus stormwater and non-point source pollution issues as well as more generic stormwater issues that students will likely address when they leave the campus setting. Expand the audience for presentations to include students in campus housing.	1. Document and report the number of presentations. 2. Document and report the number of participants attending. 3. Document and report the names and numbers of student organizations attending.	1. Current and ongoing. 2. Current and ongoing. 3. Current and ongoing.	1. 7 Presentations were given. 2. 212 participants attended across 7 presentations. 3. Breakdown of events: ▪ Conservation Area Land Management Graham Woods Tabeling Event: approximately 50 Students. ▪ Conservation Area Land Management Plaza of Americas Tabeling Event: Approximately 100 students ▪ Four Wastewater Treatment Plant Tours: Ag Bio Engineering Class 3000c: 62 Students.

MS4 ID/ BMP #	BMP Description	Measurable Goal	Schedule for Implementation/ Completion	Summary of Results
2a 01	STORM DRAIN MARKING PROGRAM We will maintain an existing stormwater drainage marking program throughout the campus. This program will be publicly noticed through the UF Clean Water Campaign webpage and promoted through social media. The purpose of the program is lo increase public awareness that storm drains are directly connected to local creeks and natural areas and not to the wastewater treatment plant.	1. Document and report the number of existing storm drains marked. 2. Document and report the number of new storm drains marked. 3. Document and report the names and numbers of student organizations participating in storm drain marking and maintenance events.	1. Current and ongoing. 2. Current and ongoing. 3. Current and ongoing.	1. 1150 storm drain markers have been placed since 2004. All new markers placed since May 2022 are being captured in GIS storm system map. 2. Approximately 150 storm drain markers placed in Year 4 3. All markers placed in Year 4 were completed by Facilities Services Water Team.
2a 02	SPECIAL EVENTS PROGRAM UF/IFAS Extension shall participate in a minimum of two local student-led campus events. A display booth shall be used to communicate information about stormwater and watershed related water quality issues. The display shall provide public education that includes non-point source pollution prevention materials and or presentations.	1. Document and report the number of volunteers. 2. Document and report the number of local campus events where students participated in hosting the display booth	1. Current and ongoing. 2. Current and ongoing.	1. Two Tabling events for Campus Area Land Management were conducted during Year 4 reporting period. 2. Approximately 50 students participated in each event.

MS4 ID/ BMP #	BMP Description	Measurable Goal	Schedule for Implementation/ Completion	Summary of Results
3a 01	<u>COMPLETE MAPPING OF STORMWATER DRAINAGE SYSTEM</u> Mapping completed through Master Stormwater Permit Plan. The University maintains a stormwater drainage map showing all known outfalls and the names and locations of all surface waters of the Slate that receive discharges from those outfalls. This map is continually updated.	1. Document and report the total number of outfalls mapped and the number of outfalls newly mapped in the reporting period. 2. Document and report the number of stormwater detention/retention ponds. 3. Document and report the number of inlets/catch basins. 4. Document and report the amount of conveyance (pipes/swales).	1. Current and ongoing. 2. Current and ongoing. 3. Current and ongoing. 4. Current and ongoing.	1. 528 outfalls are mapped, which is an increase of 0 from the previous report. 2. 43 permitted stormwater ponds are mapped. 3. 2,418 inlets are mapped. 4. 315,402 LF of conveyance systems are mapped.
3b 01	<u>ILLICIT DISCHARGE PROHIBITION THROUGH POLICY</u> The University of Florida currently defines and prohibits illicit discharge in the "University of Florida Handbook of Business Practices - Utilities Policy". The Vice-President for Business Affairs and the Assistant Vice President of Facilities Services Division have the responsibility of managing these services.	1. Document and report any changes or amendments to the applicable University policy.	1. Current and ongoing.	1. The University policy has not been changed nor amended.

MS4 ID/ BMP #	BMP Description	Measurable Goal	Schedule for Implementation/ Completion	Summary of Results
3c 01	ILLICIT DISCHARGE DETECTION, ELIMINATION, AND IMPLEMENTATION OF CONTROL MEASURE Inspections for potential illicit discharges/dumping have been performed during the annual and ongoing inspections of all University facilities and open space. These inspections are recorded in the computerized maintenance and work order system program and are prioritized by health and safety issues first. A written standard operating procedure has been developed and implemented for the IDDE inspection program.	1. Document and report the number of illicit discharge/illegal dumping investigations. 2. Document and report the number of illicit discharge/illegal dumping found and eliminated. 3. Document and report the number of proactive inspections. 4. Document and report the number of reactive inspections.	1. Current and ongoing. 2. Current and ongoing. 3. Current and ongoing. 4. Current and ongoing.	1. Six illicit discharge investigations were performed. 2. Four illicit discharge were found and eliminated. One investigation was determined to not be a discharge. 3. 540 annual proactive basin inspections were completed during reporting period. 4. 147 corrective work orders were completed during reporting period.

MS4 ID/ BMP #	BMP Description	Measurable Goal	Schedule for Implementation/ Completion	Summary of Results
3d 01	ILLICIT DISCHARGE DETECTION AND ELIMINATION EDUCATION PROGRAM – PUBLIC The Public Education and Outreach Programs included on the website titled: "UF Clean Water Campaign" is active and can be viewed at: http://campuswalerquality.ifas.ufl.edu/ . This webpage informs the public of the sources of Pollution and Pollution Prevention associated with illegal discharges and improper disposal of waste. The location of the website is distributed to the student population and staff through periodic email blasts and social media.	1. Document and report the number of stormwater-related public service announcements. 2. The location of the website is distributed to the student population and staff. Document and report the number of potential listeners/viewers. 3. Document and report the number of website visitors.	1. Current and ongoing. 2. Current and ongoing. 3. Current and ongoing.	1. Stormwater messaging published to new website. 2. The location of the website was published on the UF Facilities Services Facebook page to a potential audience of 120 users (327 viewers). Potential viewers includes student, staff, general public, which is 28,000+ based on TAPS email distribution list. 3. UF IT has migrated the Clean Water Campaign website to a platform that will allow tracking moving forward. The website is now managed by UF Business Affairs and Technical Services. The new URL is: https://www.facilitiesservices.ufl.edu/cleanwater/ May 2022 to May 2023 Combined Overall Views: 327 Total Users: 120 Avg Time Spent: 00:01:16
3d 02	ILLICIT DISCHARGE DETECTION AND ELIMINATION EDUCATION PROGRAM – EMPLOYEE The University incorporates training documents which specifically inform of the hazards associated with illicit discharges, how to identify an illicit discharge, and how to report it to the proper personnel. This information is presented to the University of Florida Personnel at least annually.	Document and report the number of employees trained regarding the hazards associated with illicit discharges and improper dumping to the MS4.	Current and ongoing.	7011 staff trainings were completed based on information provided by UF Environmental Health and Safety.

MS4 ID/ BMP #	BMP Description	Measurable Goal	Schedule for Implementation/ Completion	Summary of Results
3 d 03	ILLICIT DISCHARGE DETECTION AND ELIMINATION EDUCATION PROGRAM – BUSINESSES The University of Florida will review waste disposal protocols of businesses, contractors, and other entities working on the University of Florida campus to ensure effectiveness or improvement opportunities and inform them of the hazards associated with illegal discharges and improper disposal of waste. The university will utilize periodic emails and coordination meetings to inform businesses which operate within the MS4 of the environmental hazards of illicit discharges and how they can identify. report, and prevent pollutants of concern from entering the stormwater system. This effort will occur at least annually.	Report the ways businesses are informed of the environmental hazards of illicit discharges and how they can identify, report. and prevent pollutants of concern from entering the stormwater system.	Current and ongoing.	1. Businesses were informed via the information provided on the EH&S website for management of Hazardous Construction and Demolition Wastes and via the Policy to Prohibit Illicit Storm Water Discharge contained within the University's Utilities Policy on the Facilities Services website. The requirements that businesses performing construction on the UF Campus must follow when hazardous waste is encountered are contained within the General Terms & Conditions of the contracts for both Construction Management firms (in Article 4.8) and for Design-Build firms (in Article 2.8). Additionally, the University's Non-Technical Specifications, which are included in all construction contracts, contain Section 01505 titled "Construction Waste Management." This section outlines procedures for managing hazardous substances and for the provision of a project-specific plan for both the recycling and disposal of waste.

MS4 ID/ BMP #	BMP Description	Measurable Goal	Schedule for Implementation/ Completion	Summary of Results
4a 01	THE UNIVERSITY OF FLORIDA'S STORMWATER MANAGEMENT PLAN REPORT During design and pre-construction on newly proposed systems, the Facilities Services Operations Engineer and Design Service Engineers (Permitting) will cooperate to assure BMPs listed in the UF Master Drainage Plan and Permit are incorporated into designs for Sediment & Erosion Control and Waste Control, which can be found in the "UF Design and Construction Standards" located at http://www.facilities.ufl.edu under Appendix C of the UF Design & Construction Standards. UF has construction inspectors reviewing compliance with plans. University policies afford that construction inspectors can issue Stop Work order if out of compliance with plans.	Document and report any changes or amendments to the applicable University policy or design and construction standards.	Current and ongoing.	1. No changes were made to the University policy or standards during this period. UF Facilities Services and UF Planning, Design, and Construction Teams currently working with various Engineering Consultants (Chen Moore, Jones Edmunds, WSI, and WSP), SJRWMD, GRU, Gainesville Residents, and other stakeholders to develop a comprehensive Lake Alice Water Shed Management Plan (LAWMP). The LAWMP effort includes revising the Master Permit to include detailed reviews of each construction project as the project is being developed. The SJRWMD Master Permit is expected to be complete in the 1st quarter of 2024. The LAWMP began in May 2023 and is expected to be completed 3rd quarter of 2024. The UF Facilities Services Utilities Standards will be updated to accommodate any policy changes adopted as a result of the LAWMP.

MS4 ID/ BMP #	BMP Description	Measurable Goal	Schedule for Implementation/ Completion	Summary of Results
4b 01	<u>EROSION AND SEDIMENTATION CONTROL ON CONSTRUCTION SITES</u> The University requires all construction sites to implement effective erosion and sedimentation control per Paragraph 1.6.B of the General Design Guidelines Section and Appendix C of the UF Design and Construction Standards.	1. Document and report the number of active construction sites operating under the erosion and sedimentation control requirements contained within the UF Design and Construction Standards. 2. Document and report any changes to the policy or to the design construction standards. 3. Document and report the number of sediment and erosion control related violations during the reporting period.	1. Current and ongoing. 2. Current and ongoing. 3. Current and ongoing.	1. 22 construction sites operating under the ESC requirements were active during the reporting period. 2. There were no changes to the policy. 3. There were 12 ESC violations during the reporting period.

MS4 ID/ BMP #	BMP Description	Measurable Goal	Schedule for Implementation/ Completion	Summary of Results
4c 01	<u>WASTE CONTROL ON CONSTRUCTION SITES</u> The University requires all construction sites to implement effective waste control measures per Paragraph 1 6.B of the General Design Guidelines Section of the UF Design and Construction Standards.	1. Document and report the number of active construction sites operating under the waste control requirements contained within the UF Design and Construction Standards. 2. Document and report any changes to the policy or to the design construction standards. 3. Document and report the number waste control related violations during the reporting period.	1. Current and ongoing. 2. Current and ongoing. 3. Current and ongoing.	1. 22 construction sites operating under the waste control requirements were active during the reporting period. 2. There were no changes to the policy. 3. There were no waste control violations reported during the reporting period.
4d 01	<u>SITE PLAN REVIEW</u> The University reviews all construction site plans for erosion and sedimentation controls and construction site waste control. Permitting requirements for ERP and CGP permits are addressed by the University's design consultants in the University's construction contracts.	Document and report the number of construction site plans reviewed and approved for appropriate stormwater erosion and sedimentation controls and waste controls.	Current and ongoing.	22 projects were reviewed and approved for ESC and waste controls during the reporting period. Project SWPP plans reviewed before construction begins and execution of SWPP plans monitored during construction.

MS4 ID/ BMP #	BMP Description	Measurable Goal	Schedule for Implementation/ Completion	Summary of Results
4e 01	PUBLIC OUTREACH PROGRAM By implementing the Public Education and Outreach Programs (BMP's 1a-01, 1a-02, 1a-03, 2a-01 and 2a-02) the public will be able to state their considerations to the responsible entity and the types of activities to report.	1. Document and report number of construction related concerns received and addressed. 2. Document and report the number was received by phone. 3. Document and report the number was received by email.	1. Current and ongoing. 2. Current and ongoing. 3. Current and ongoing.	1. 7 complaints/concerns received. 2. 1 complaint received via phone. 3. 6 complaints/concerns received via email.
4e 02	WEBPAGE The University has developed a website that provides a stormwater-related information source for the campus community and allow for the public lo report stormwater related problems caused by construction projects.	Document and report the number of construction related concerns submitted through the website.	Current and ongoing.	Clean Water website moved to link below: https://www.facilitiesservices.ufl.edu/cleanwater/ Concerns will now be routed to FS Work Management Center via email: work-request@FacilitiesServices.ufl.edu

MS4 ID/ BMP #	BMP Description	Measurable Goal	Schedule for Implementation/ Completion	Summary of Results
4f 01	<u>EROSION AND SEDIMENT CONTROL CONSTRUCTION INSPECTION & ENFORCEMENT</u> UF EH&S inspectors (certified Erosion Control and Sedimentation Control inspectors) have conducted periodic site visits to confirm implementation of required erosion and sediment control and waste control measures. Contractors were notified of failures and are given the opportunity to make corrections. Stop Work orders are issued for continued failures. A written standard operating procedure has been developed and implemented for the construction inspection program.	1. Document and report the number of active construction sites operating under the erosion & sediment control requirements outlined in Element 4a. 2. Document and report the number of construction site inspections. 3. Document and report the number of Stop Work orders issued. 4. Document and report the number of sites with active ERP and/or CGP.		1. 22 construction sites operating under the ESC requirements were active during the reporting period. 2. There were 25 ESC inspections during the reporting period. 3. There were zero stop work orders issued. 4. There were 22 sites with active ERP and/or CGP coverage during the period.
4f 02	<u>INSPECTOR QUALIFICATION/TRAINING</u> UF EH&S staff (certified Erosion and Sedimentation control inspectors) will inspect all construction projects and enforce the stormwater requirements contained within the UF Design and Construction Standards.	Document and report the number of employees trained and certified.	Current and Ongoing.	Currently we have 7 EH&S staff trained and certified by the state as inspectors. We have one Operations Staff member who is a certified inspector.

MS4 ID/ BMP #	BMP Description	Measurable Goal	Schedule for Implementation/ Completion	Summary of Results
5a 01	<u>POST-CONSTRUCTION STORMWATER MANAGEMENT</u> Utilize qualifying alternative program: University of Florida relies on the current Saint Johns River Water Management District (SJRWMD) and Florida Department of Environmental Protection (FDEP) regulatory criteria by providing stormwater treatment for Environmental Resource Permit (ERP) Permitted projects.	1. Continue to maintain compliance with DEP and WMD criteria. 2. Document location of new permitted projects and required stormwater management.	1. Current and ongoing. 2. Current and ongoing.	UF Facilities Services and UF Planning, Design, and Construction Teams currently working with various Engineering Consultants (Chen Moore, Jones Edmunds, WSI, and WSP), SJRWMD, GRU, Gainesville Residents, and other stakeholders to develop a comprehensive Lake Alice Watershed Management Plan (LAWMP). The LAWMP effort includes revising the Master Permit to include detailed reviews of each construction project as the project is being developed. The SJRWMD Master Permit is expected to be complete in the 1st quarter of 2024. The LAWMP began in May 2023 and is expected to be completed 3rd quarter of 2024. There was one new permitted project during the reporting period.

MS4 ID/ BMP #	BMP Description	Measurable Goal	Schedule for Implementation/ Completion	Summary of Results
6a 01	THE UNIVERSITY OF FLORIDA'S SCHEDULED FACILITIES REPAIR AND GROUNDS MAINTENANCE PROGRAM Section 4 2.6 of the University of Florida Stormwater Management Master Plan, which has been permitted by the St. John's Water Management District, designates the UF Facilities Services Division to execute the operation and maintenance program as defined in Chapter 12-Facilities Maintenance Element of the University of Florida Comprehensive Master Plan. Objectives 2.0-4.0 state that the Facilities Services Division and Division of Housing shall conduct annual and ongoing inspections of all University Facilities and Open space. These inspections include the stormwater structural controls and when performed by University personnel are recorded in the computerized maintenance work order system program and are prioritized by health and safety issues first. When these inspections are performed by a consultant, they are documented and reported to the UF Facilities Services Division for yearly submittal to the water management district.	1. Document and report the annual inspections and any intermittent inspections of the University's stormwater drainage system. 2. Document and report the number of permitted ponds and structural controls inspected and the number of maintenance activities. 3. Document and report the number of "hard" conveyance system (pipes. catch basins, inlets, etc.) inspection and maintenance activities.	1. Current and ongoing. 2. Current and ongoing. 3. Current and ongoing.	1. 200 Inspections of the drainage system. 2. 540 Stormwater Basin Inspections and maintenance activities. 3. 147 Hard Conveyance inspections and maintenance activities.

MS4 ID/ BMP #	BMP Description	Measurable Goal	Schedule for Implementation/ Completion	Summary of Results
6a 02	STREET SWEEPING The university conducts street sweeping of the MS4 and keeps a log of sweeping frequency, length of miles swept, and the amount of debris collected from the MS4.	1. Document and report the frequency (and/or) how many times street sweeping was conducted during the reporting period. 2. Document and report the total number of miles swept. 3. Document and report the amount of materials collected in cubic yards or pounds.	1. Current and ongoing. 2. Current and ongoing. 3. Current and ongoing.	1. A new street sweeper was purchased during reporting period to replace the machine that had failed. The PM for our nightly street sweeping effort covers roughly 25 miles of campus per night. The street sweeper has since been repaired and data will be available for the Year 4 reporting period. 2. 310 miles swept during reporting period. 3. 77 cubic yards collected during reporting period.
6b 01	EMPLOYEE TRAINING All applicable employees shall receive training that educates the employee on a variety of stormwater pollution prevention topics annually, including spill prevention and control techniques to minimize the chance of spills entering the stormwater systems, good housekeeping BMPs, and construction site runoff BMPS.	1. Document and report the number of employees trained during the reporting period. 2. Document and report the number of employees certified during the reporting period.	1. Current and ongoing. 2. Current and ongoing.	1. 7011 staff trainings were completed. 2. Zero new employees were certified during this period.

1.3.2 Environmental Resources Permit—Campus Master Stormwater Permit

ERP No. 4-001-15570-19 (expired December 3, 2022), provided in Appendix B, authorizes construction and operation of the master surface water management system for the:

- Lake Alice Watershed (1,106.33 acres).
- Depressional Basins UF-1 – UF-3.
- Depressional Basins UF-5 – UF-9.

This permit provides a "credit bank" of additional impervious area that could be constructed in these watersheds without additional permitting by SJRWMD. The permit states that review of the conveyance system design capacity and flood protection level of service is the responsibility of the University of Florida Facilities Services Division. The SJRWMD does not review the designs in these watersheds for the peak discharge rate at the point of discharge to the MS4—whether that is a piped system or a downstream creek. Increases to the peak rate of discharge and changes to the energy grade line can—and have—resulted in erosion and damage to UF's infrastructure.

General or Individual Permits are required for surface water management systems that are within the 100-year floodplain or systems that discharge directly or indirectly to:

- Hogtown Creek (or are within the Hogtown Creek Basin) (353.33 acres).
- Tumblin Creek (or are within the Tumblin Creek Basin) (588.33 acres).
- Depressional Basin UF-11.
- Depressional Basin UF-12.
- Depressional Basin UF-14.

These streams and basins discharge off-site or include non-UF property; therefore, SJRWMD reviews designs in these watersheds and requires water quality treatment and analysis of the peak rate of discharge to ensure that the addition of impervious area does not create downstream impacts.

Table 2 lists the O&M related requirements of the ERP.

This section and Table 2 will need to be updated as soon as the new conceptual permit is issued by SJRWMD. Appendix B also provides a memorandum summarizing the anticipated changes to the permit conditions in the new conceptual permit.

1.3.3 Environmental Resources Permit—Other Permits

Appendix C provides a spreadsheet summarizing the known ERPs for the UF campus, adjacent properties owned by the State of Florida, as well as other permits issued by SJRWMD that allow stormwater runoff to the UF MS4.

Table 2. Environmental Resources Permit Requirements

ERP Condition No	Condition	O&M or Inspection Required	Similar MS4 Element	Report to SJRWMD
1	Activities approved by this permit shall be conducted in a manner which do not cause violations of state water quality standards.			
2	Prior to and during construction, the permittee shall implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards.		4	
3	Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.	Yes	4a	
4	Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered specifically approved unless a specific condition of this permit or a formal determination under rule 40C-1.1006, F.A.C., provides otherwise.			
5	If limestone bedrock is encountered during construction of the retention basins or a sinkhole or solution cavity forms during construction, construction of the basin must be halted immediately and the District must be notified. Remedial action will be required.			Yes. Notify District.
6	The permittee must report any sinkhole that develops within the surface water management system. Permittee must notify the District of any sinkhole development in the surface water management system within 48 hours of its discovery and complete sinkhole repair within 10 days of such discovery using a District approved methodology.	Yes		Yes. Notify District.
7	All wetland areas or water bodies that are outside the specific limits of construction authorized by this permit must be protected from erosion, siltation, scouring or excess turbidity, and dewatering.	Yes		
8	Prior to construction, the permittee must clearly designate the limits of construction on-site. The permittee must advise the contractor that any work outside the limits of construction, including clearing, may be a violation of this permit.			
9	This permit for construction will expire ten years from the date of issuance.			

ERP Condition No	Condition	O&M or Inspection Required	Similar MS4 Element	Report to SJRWMD
10	This permit authorizes construction and operation of modifications to the master surface water management system for the Lake Alice Watershed and Depressional Basins UF-1 through 3 and UF-5 through 9 in accordance with the "University of Florida Stormwater Management Master Plan and Permit Application" and the plans received by the District on October 13, 2010 and as amended by Figure 2-3 received by the District on October 25, 2010. The permittee must submit an annual report to the District in January of each year documenting the details of specific construction projects within the Lake Alice Watershed and the Depressional Basins. These reports must indicate the actual changes to impervious surface within each such basin and update the proposed construction plan as appropriate. The repost must also include as-built plans or certification by a Florida Registered Professional Engineer that all facilities have been constructed in accordance with the design approved by the District.			Annual Report Summary of changes to Impervious Area As-Built Plans or Certification of Completion of Construction
11	This permit does not authorize any construction of any systems that discharge directly or indirectly to Hogtown Creek or Tumblin Creek or that are located within any portion of the Hogtown Creek Basin, the Tumblin Creek Basin, the Depressional Basins UF-11, UF-12, or UF-14 or within the 100 year flood plain as outlined in the "University of Florida Stormwater Management Master Plan and Permit Application" and the plans received by the District on October 13, 2010 and as amended by Figure 2-3 received by the District on October 25, 2010. Prior to any construction within any of these areas the permittee must obtain a Standard or Individual Environmental Resource Permit authorization from the District.			
12	The permittee must measure water levels in all monitoring wells on a quarterly basis. Water level measurement records must be sent to the District within 30 days of collection.			Quarterly report Groundwater monitoring well levels
13	The permittee must conduct the groundwater and surface water monitoring programs as outlined by FDEP Permit No. FLA011322. Any modifications to the FDEP approved monitoring programs must be submitted to the District for written staff approval. The permittee must submit the monitoring test results to the District within 14 days of receipt from laboratory.			Submit monitoring test results for FDEP Permit FLA011322 to the District

ERP Condition No	Condition	O&M or Inspection Required	Similar MS4 Element	Report to SJRWMD
14	The permittee must implement: ▪ The University of Florida Hazardous Waste Minimization Guide, ▪ Chemical Waste Management Guide, and ▪ Handling Procedure for Oil and Other Maintenance Related Waste as received by the District on September 22, 2000 and authorized by Permit Number 4-001-15570-3 and the updated ▪ Natural Disaster/Hurricane Emergency Plan, received by the District on July 14, 2010.		3c 3d 6b	Report changes in referenced documents to SJRWMD
15	Permittee must submit plans for District review and approval prior to any construction within the 50-foot Wetland Buffer as shown on Figure 2-3 received on October 25, 2010.	Yes. Maintain GIS Wetland Buffer		
16	[Duplicate Condition]			
17	All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.			
18	This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.	Yes. Provide copy of permit to Contractor to Post.		
19	At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a Construction Commencement Notice Form No. 40C-4.900(3) indicating the actual start date and the expected completion date.			Notify District
20	When the duration of construction will exceed one year, the permittee shall submit construction status reports to the District on an annual basis utilizing an Annual Status Report Form No. 40C-4.900(4). These forms shall be submitted during June of each year.			For all project lasting more than one year, provide Annual Status Form

ERP Condition No	Condition	O&M or Inspection Required	Similar MS4 Element	Report to SJRWMD
21	Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by the portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to local government or other responsible entity.			
22	The operation phase of this permit shall not become effective until the permittee has submitted the appropriate As-Built Certification Form, the District determines the system to be in compliance with the permitted plans, and the entity … accepts responsibility for operation and maintenance of the system…			As-Built Certification Form
23	Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the District of the changes prior implementation so that a determination can be made whether a permit modification is required.			
24	This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and chapter 40C-4 or chapter 40C-40, F.A.C.			
25	The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the activities authorized by the permit or any use of the permitted system.			
26	The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of rule 40C-1.612, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.			
27	Upon reasonable notice to the permittee, District authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to ensure conformity with the plans and specifications approved by the permit.			

ERP Condition No	Condition	O&M or Inspection Required	Similar MS4 Element	Report to SJRWMD
28	If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the District.			Notify the District
29	The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.			Notify the District
30	The permittee must visually inspect all permitted surface water management basins monthly for the occurrence of sinkholes and document these inspections on District Condition Compliance Form Number EN-33. Two copies of the completed forms must be sent to the District annually by January 31st of each year.	Yes. Monthly Inspections		Annual Report January 31st District Condition Compliance Form Number EN-33

1.3.4 Underground Injection Control Permit

Lake Alice drains into two wells: R-1 and R-2. General comments and permit requirements are discussed below with conditions provided in Table 3:

- R-1 is a Class V, Group 6 Lake Level Control Well.
    - R-1 is not permitted through the Wastewater Reclamation Facility (WRF) or an Underground Injection Control (UIC) Permit.
    - It is listed in the attached wastewater permit as a legacy well, however the permit still includes some limited reporting and operation requirements.
    - Listed as a 24-inch well cased to a depth of 84 feet below the ground surface with a total depth of 235 feet, but an effective depth of 215 feet based on the last drill log.
    - Based on a records review, the well has not been inspected or maintained since 1986.
- R-2 is a Class V, Group 3 Underground Injection Well permitted as U-001.
    - R-2 is permitted through the Wastewater Reclamation Facility and UIC permit FLA011322-015 DW1P/ NR and 335949-002-UO 5W.
    - Permitted capacity of 3.0 mgd as an average annual daily flow (AADF).
    - Listed as a 20-inch well cased to a depth of 243 feet below land surface.
    - The injection of reclaimed water is into a Class G-II groundwater at a depth between 243 and 304 feet. Original depth was to 450 feet but naturally backfilled from 450 to 304 feet.
    - This injection of reclaimed water into Class G-II groundwater is in accordance with Rule 62-528.600 and 62-610.100(3)(f), F.A.C, which state:
        - Rule 62-528. 600

        (1) Rules 62-528.600 through 62-528.645, F.A.C., set forth criteria and standards to regulate all injection wells not regulated in previous sections of this chapter.

        (a) Generally, wells covered by these rules inject non-hazardous fluids into or above formations that contain underground sources of drinking water. That includes all wells listed in paragraph 62-528.300(1)(e), F.A.C.

        (b) These rules also include wells not covered in Class I or Class IV that inject natural and manmade radioactive materials, provided these concentrations do not exceed current drinking water standards in Chapter 62-550, F.A.C.

        (2) Classification of Class V Wells. Various types of Class V wells that exist or may exist in Florida are grouped together in order to facilitate the determination of permitting, operating, and monitoring requirements for these wells. The groups are:

        …(f) Group 6 – Lake level control and stormwater drainage wells…

        - 62-610.100(3)(f),

        (3) Applicability.

        (f) The requirements of Parts V and VII of this chapter and Rule 62-610.525, F.A.C., shall apply to

projects for which complete permit applications that request authorization for construction of domestic wastewater treatment facilities or reuse facilities were received by the Department after August 8, 1999, unless specifically stated otherwise within this chapter.

- This injection of reclaimed water into Class G-II groundwater is in accordance with the limited grandfathering treatment exemption afforded by Section 403.859(7)(b), Florida Statutes, which states:
  - *"The provisions of this subsection do not apply to treated or untreated effluent currently discharging into the Floridan Aquifer or Biscayne Aquifer on June 22, 1983. However, any expansion of existing facilities on or after the effective date of this act are subject to the requirements of this subsection."*
- The system does not qualify as groundwater recharge.
- Last video survey of well described as September 2003 with no noted defects in casing.

Table 3 lists the Operation and Maintenance related requirements of the UIC Permit

The following maintenance and inspection items were noted in the *2008 UIC Permit Renewal for the University of Florida's WWTP* (Sheldon, 2008). Records of the results of the recommended maintenance and inspection items were not available; therefore these items are reiterated here. Both R-1 and R-2 should be inspected every 10 years at a minimum.

- Geophysical logs
- Inspect the well for physical integrity (steel casing, open hole, receiving cavity)
- Flow measurements
- Mechanical integrity testing

Table 3. Underground Injection Control (UIC) Operation and Maintenance Requirements in Permit FLA011322

Condition Number	Condition	O&M or Inspection Required	Monitoring Requirements	Report to FDEP
I.A.4.	A recording flow meter with totalizer shall be utilized to measure flow and calibrated at least once every 12 months. Weekly readings of the flow meters shall be taken at Lake Alice wells R-1 and R-2. The Lake Alice stage gauge, located adjacent to well R-2, shall be measured monthly. All results shall be tabulated and available for review by the Department. [62-600.200(25)]		1. Weekly flow meter readings 2. Monthly stage gauge readings	
X.A.1.	Only non-hazardous injectate as described in this permit may be discharged into the injection well(s). [62-528.400(1), F.A.C.]			
X.A.2.	The flow to the injection well(s) at each wellhead shall be monitored and controlled at all times to ensure that fluid volumes do not exceed the respective flow rate indicated below, and shall not exceed 10 feet per second except during planned testing, maintenance, or emergency conditions in which case the flow rate shall not exceed 12 feet per second. [62-528.415(1)(f), F.A.C.] Monthly average daily flow (MADF) 3.0 mgd or 2,083 gpm.		1. Flow rate ≤ 10ft/s, or 12 ft/s during testing, maintenance, or emergency conditions 2. MADF ≤ 3.0 mgd	
X.A.3.	No underground injection is allowed that causes or allows movement of fluid into an underground source of drinking water (USDW) if such fluid movement may cause a violation of any Primary or Secondary Drinking Water Standard unless otherwise exempted or permitted, or may otherwise affect the health of persons. [62-528.440(2)(c), F.A.C.]			
X.A.4.	All equipment of this facility shall be operated and maintained so as to function consistently as designed in removing pollutants. The wastewater stream shall remain non-hazardous at all times. [62-528.307(3)(b) and 62-528.400(1), F.A.C.]			
X.A.5.	In the event a well must be plugged or abandoned, the permittee shall obtain a permit from the Department as required by Chapter 62-528, (F.A.C.). When no longer used for their intended purpose, these wells shall be properly plugged and abandoned. Within 180 days of well abandonment, the permittee shall submit to the Department the proposed plugging method, pursuant to Rule 62-528.460, F.A.C. [62-528.460(1) and 62-528.435(6), F.A.C.]			
X.B.1.	The integrity of the monitoring zone sampling systems shall be maintained at all times. Sampling lines shall be clearly and unambiguously identified by monitoring zone at the point at which samples are drawn. All reasonable and prudent precautions shall be taken to ensure that samples are properly identified by monitoring zone and that samples obtained are representative of those zones. Sampling lines and equipment shall be kept free of contamination with independent discharges and no interconnections with any other lines. [62-528.307(1)(f) and 62-528.307(3)(b), F.A.C.]			

Condition Number	Condition	O&M or Inspection Required	Monitoring Requirements	Report to FDEP
X.B.2.	The surface equipment for each injection well disposing of domestic (municipal) effluent shall maintain compliance with Rule 62-600.540(4), F.A.C., for water hammer control, screening, access for logging and testing, and reliability and flexibility in the event of damage to the well and effluent piping. [62-600.540(4), 62-528.307(1)(f), and 62-528.307(3)(b), F.A.C.]			
X.B.3.	Injection wells not disposing of domestic (municipal) effluent shall maintain compliance with Rule 62-528.450(2)(j), F.A.C., for water hammer control, as well as access for logging and testing, and reliability and flexibility in the event of damage to the well and effluent piping. [62-528.450(2)(j), 62-528.307(1)(f), and 62-528.307(3)(b), F.A.C.]			
X.B.4.	The surface equipment and piping for the injection and monitoring wells shall be kept free of corrosion at all times. [62-528.307(1)(f) and 62-528.307(3)(b), F.A.C.]			
X.B.5.	The injection well areas are not, unless specific approval is obtained from the Department, to be used for storage of any material or equipment at any time. [62-528.307(1)(f) and 62-528.307(3)(b), F.A.C.]			
XI.1.	The permittee shall ensure that the operation of this injection well system shall be as described in the application and supporting documents. Any proposed modifications to the permit, construction procedures, testing procedures, completion procedures, operation procedures, or any additional work not described in the application or supporting documents shall be submitted in writing to the Tallahassee office of the Aquifer Protection Program for review and clearance prior to implementation. Changes of negligible impact to the environment and staff time will be reviewed by the program manager, cleared when appropriate and incorporated into this permit. Changes or modifications other than those described above will require submission of a completed application and appropriate processing fee as per Rule 62-4.050, F.A.C. [62-4.050, F.A.C.]			
XI.2.	Proper operation and maintenance include effective performance and appropriate quality assurance procedures; adequate operator staffing and training; and adequate laboratory and process controls. [62-528.307(3)(b), F.A.C.]			

Condition Number	Condition	O&M or Inspection Required	Monitoring Requirements	Report to FDEP
XI.3.	All water quality samples required by this permit shall be collected in accordance with the appropriate Department Standard Operation Procedures (SOP), pursuant to Rule 62-160.210, F.A.C., Approved Field Procedures. A certified laboratory shall conduct the analytical work, as provided by Rule 62-160.300, F.A.C., Laboratory Certification. Department approved test methods shall be utilized, unless otherwise stated in this permit. All calibration procedures for field testing and laboratory equipment shall follow manufacturer's instrumentation manuals and satisfy the requirements of the Department SOPs. A listing of the SOPs pertaining to field and laboratory activities is available at the FDEP website at: https://floridadep.gov/dear/quality-assurance/content/dep-sops. [62-4.246, 62-160, F.A.C.]			
XI.4.	All indicating, recording and totalizing devices associated with the injection well system shall be maintained in good operating condition and calibrated annually at a minimum. The pressure gauges, flow meter, and chart recorders shall be calibrated using standard engineering methods. [62-528.307(1)(f) and 62-528.307(3)(b), F.A.C.]			
XI.5.	All reports submitted to satisfy the requirements of this permit shall be signed by a person authorized under Rule 62-528.340(1), F.A.C., or a duly authorized representative of that person under Rule 62-528.340(2), F.A.C. All reports required by this permit which are submitted to the Department shall contain the following certification as required by Rule 62-528.340(4), F.A.C.: 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 fine and imprisonment for knowing violations. [62-528.340(1), (2), and (4), F.A.C.]			
XI.6.	Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department as being more representative of ground water conditions. [62-520.310(5), F.A.C.]			
XII.A.1.	The injection system shall be monitored in accordance with Rules 62-528.425(1)(g) and 62-528.430(2), F.A.C. The following injection well performance data and monitor zone data shall be recorded and reported in the Discharge Monitoring Report (DMR) as indicated below. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. [62-528.307(3)(d) and 62-528.430(2), F.A.C.]		Quarterly or annual sampling for parameters shown in Tables 1-6 in Section XII of the permit	Discharge monitoring reports at required frequencies

Condition Number	Condition	O&M or Inspection Required	Monitoring Requirements	Report to FDEP
XII.A.2.	A laboratory analysis for the Primary and Secondary Drinking Water Standards of Chapter 62-550, F.A.C., shall be submitted annually. a. For facilities permitted to inject domestic wastewater, the domestic wastewater annual sample results may be the same as submitted for the domestic wastewater program if taken within the last 12 months. If not required annually for the domestic wastewater program, a separate sample shall be taken and reported for this permit. The samples shall be composite and grab samples as appropriate for the domestic wastewater program. The permittee may choose to take a combined annual sample from multiple domestic waste streams if they are authorized for injection in this permit. b. For facilities permitted to inject water other than domestic wastewater, the source water samples shall not be combined with domestic wastewater samples. The samples shall be grab samples. The permittee may choose to take a combined annual sample from multiple non-domestic waste streams if they are authorized for injection in this permit. c. For renewal of this permit, the permittee shall submit a separate laboratory analysis for each permitted injectate source. [62-528.425(1)(a), F.A.C.]			Annual report for Primary and Secondary Drinking Water Standards
XII.A.3.	Monitor well purging and field stabilization parameter measurement is required prior to the collection of laboratory samples for the Discharge Monitoring Reports (DMRs). The facility shall conduct the monitor well sampling following the monitor well sampling protocols taken from FS 2200-Groundwater Sampling in the DEP-SOP-001/01 Field Sampling Procedures Manual. The following protocol for UIC monitor wells is based on this standard and the facility shall follow this purging protocol. The results of the purging techniques and field stabilization parameters shall be provided on DEP Form FD 9000-24 or a similar alternative approved by DEP, and the completed forms shall be retained with the facility's MOR records. a. Calculate the volume of water in the well casing (or sample pipe if installed), and the monitoring interval. For dual zone monitor wells calculate the upper monitor zone volume with allowance for reduced volume due to the hollow cylinder created by the lower zone tubing. Purge until the water level has stabilized (well recovery rate equals the purge rate), purging a minimum of one well volume, and then collect the first set of stabilization parameters. b. Thereafter, collect stabilization parameters after every ¼ well volume beyond the initial one volume.		Monitoring and sampling is required to follow applicable SOPs	

Condition Number	Condition	O&M or Inspection Required	Monitoring Requirements	Report to FDEP
	c. Purging shall be complete when three consecutive readings of the parameters listed below are within the following ranges and a minimum of 1.5 well casing volumes of fluid since the beginning of purging have been evacuated from the monitoring well: • pH ± 0.2 Standard Units • Specific Conductance ± 5.0% of reading • Temperature ± 0.2° C • Dissolved Oxygen ≤ 20% Saturation or ±0.2 mg/L • Turbidity ≤20 NTU d. If necessary, continue to take the above readings every additional ¼ well volume until three consecutive readings meet the above criteria. e. Typical field conditions may not allow the temperature parameter to be met. The sampling team leader may decide whether to collect a sample if a parameter has not been met (DEP SOP FS2212 Section 3.6). Documentation as to why the sample was collected without meeting a field parameter must be recorded in the groundwater sampling log. f. If three consecutive ¼ well volume readings have not reached the stabilization criteria listed above by the time the fifth well volume has been reached, the monitoring well sample shall be taken, and document the reason(s) in the groundwater sampling log. g. If a sampling pipe is used for purging, the sampling pipe volume will substitute for the well casing volume. The Department will consider an alternate purging method meeting monitor well sampling protocol in FS 2200-Groundwater Sampling in the DEP-SOP-001/01 Field Sampling Procedures Manual in the case where the above procedure causes a hardship to the facility. The permittee shall request an alternate method and receive written Department approval before implementing it. [62-160.210(1) and 62-528.430(2), F.A.C.]			
XII.A.4.	The flow from the monitoring zones during well evacuation and sampling shall not be discharged to surface waters or aquifers containing an underground source of drinking water. Waters purged from monitoring wells in preparation for sampling shall be diverted to the injection well head via the pad drainage system, wet well, or treatment plant. [62-4.030, 62-620.320, F.A.C.]			
XII.A.5.	Any notification given pursuant to I.A.13, shall include an evaluation as to the contaminant's source and measures proposed or taken to prevent a recurrence, or an MCL exceedance, as applicable. The contaminant(s) shall be included for all monitoring wells at the next groundwater sampling event if not already required. [62-520.600(11)(b) and 62-520.700(1), F.A.C.]			

Condition Number	Condition	O&M or Inspection Required	Monitoring Requirements	Report to FDEP
XII.B.1.	UIC monitoring results shall be submitted on Part D of Form 62-620.910(10) in accordance with Permit Condition I.D.7. [62-520.600(11)(b)] [62-601.300(3), 62.601.700, and Figure 3 of 62-601] [62-620.610(18)]			
XII.B.2.	If a paper copy of the DMR report or any other notification or report is submitted, it should be sent to Department staff at the following addresses: Northeast District Office FDEP – Northeast District 8800 Baymeadows Way West, Suite 100 Jacksonville, Florida 32256-7577 Aquifer Protection Program FDEP – Aquifer Protection Program UIC Section 2600 Blair Stone Road, MS 3530 Tallahassee, Florida, 32399-2400			
XII.B.4.	An Annual Summary Report shall be submitted to the Department (Northeast District and the Aquifer Protection Program) by May 1 of each year. The report shall address and summarize the preceding year of operations (January 1 through December 31) and shall include at a minimum: a. All injection well system monitoring data from the preceding year in both graphic and tabular formats; b. Proposed changes (if any) to the monitoring program. [62-528.307(1)(m)1, F.A.C.]			Annual Summary Report
XIII.1.	All applicable federal, state and local permits must be in place to allow for any alternate discharges due to emergency or planned outage conditions. [62-528.415(4)(c)1, F.A.C.]			
XIII.2.	Any proposed changes in emergency disposal methods shall be submitted to the Northeast District and the Tallahassee – UIC Section for review and approval prior to implementation. [62-528.415(4)(c), F.A.C.]			

Section 2.0 Management Plan Components

2.1 Inventory Development

In 2017, the University of Florida contracted with Jones Edmunds to update the stormwater infrastructure inventory, develop a geodatabase of features, and construct an ICPR stormwater model for Main Campus. This effort resulted in the development of the most complete and up-to-date model for Main Campus and an improvement in the earlier stormwater models and basin delineations used for campus. An accurate stormwater model that is evolving and improving is an important tool that can support the University as campus continues to develop.

The 2017 model was updated for this project based on new elevation data, additional structure survey, and basin refinement. Concurrently, Chen Moore converted the runoff generation and infiltration approach in the model from Green-Ampt to curve number following the direction of the SJRWMD for permitting purposes. To avoid having two separate models, this project continued using the curve number model. For a complete description of changes made to the model as a part of the Lake Alice Watershed Management Plan development see Attachment D – Stormwater Modeling.

2.1.1 Stormwater Inventory Updates

Updates to the stormwater model are critical to accurately reflect the current stormwater conditions on campus, plan for new infrastructure, and to understand problems in the stormwater network that should be addressed to manage high-velocity flows, erosion, and flooding. The University should continue using the database and schema developed by Jones Edmunds to record new infrastructure as it is constructed. To maintain the model, it is necessary for all data to be collected and entered with care to designate appropriate elevations, dimensions, and correct flow directions. This may be done by trained University employees, or by a third-party engineering firm with experience maintaining stormwater models. Specific updates and data that are necessary to maintain the model include: as-builts for new construction and re-development, updated LiDAR at least every five years, and new survey collection for areas where LiDAR does not provide accurate results (building finished floor elevations, flooded areas, pipe inverts, steep channels).

2.1.2 Stormwater Model Updates

As part of new development or re-development the following steps are recommended as a general guide to update the stormwater model. This list is general in nature and updates to the model should be made by an experienced modeler who understands the current model, modeling approach, and model limitations. As part of model development, use, and refinement it is recommended that ongoing quality assurance and quality control (QA/QC) be completed to ensure model accuracy. It is further recommended that calibration be completed with available data to ensure that model results match actual conditions.

- Basin delineation: Review model subbasins and determine the need for and opportunities for model refinement including subbasin splitting and improved resolution within the area of interest. Modify curve numbers and impervious areas based on new basin delineations and new or re-

development. Over time, the University can gather site-specific geotechnical data to provide the SJRWMD with the information requested to support District acceptance of a Green-Ampt model.

- Storage definition: Define stage-storage relationships for any new or modified subbasins and correct existing stage-storage relationships based on new survey and/or LiDAR data.
- Link definition: Review current model links (pipes, weirs, channels, etc.) and determine the need for new links or link types. Where new subbasins have been added, or additional stormwater conveyance is identified collect survey for new features and/or re-define overland flow weirs based on updated subbasin boundaries and LiDAR or survey.
- Model calibration: Large rainfall events on campus offer the opportunity for model calibration. Following large storms (>2.5 inches in 1 hour, or >6 inches in 24 hours) high-water lines should be surveyed to document maximum water levels reached across campus. Specific locations for these surveys should include Lake Alice, other karst/sink/drainage features on campus, and any areas that experience flooding of buildings or other infrastructure.

2.2 Inspection Schedule

The proposed inspection schedule is based on requirements and recommendations by permitting agencies and the American Society of Civil Engineers (ASCE). This is a starting point for developing a maintenance schedule based on industry standards, that may be adjusted over time to meet the unique needs of the UF's system.

Annual inspection of system components includes:

- Recharge wells
- Outfalls
- Inlets
- Catch basins
- Conveyance pipes
- Conveyance swales, ditches, and creeks
- Retention basins
- Detentions basins
- Cleaning components of silt, grit, debris, and floatable debris
- Repair minor damage from flooding
- Repair minor damage from accidents or vandalism
- Preventative maintenance on mechanical and electrical systems
- Landscape maintenance including mowing, trimming, weed control, and invasive exotic plant removal

Recommended inspection frequencies for stormwater infrastructure on campus are presented in Table 4 with recommended inspection activities described in Table 5. Facilities Services tracks stormwater and

infrastructure inspections using AssetWorks AIM. Annual inspections should be recorded on a preventative work order using a custom inspection form. Additionally, all other inspections and repairs should be tracked.

Table 4. Summary of Inspection Schedule

System Component	MS4 Permit Required	ASCE Recommended Schedule		Recommended Schedule	
		Spot Check	Full Inspection	Spot Check	Full Inspection
Recharge Well External Structure Screens	NA	NA	NA	Following Large Storms	Monthly
Recharge Well Intake Screens	NA	NA	NA	Following Large Storms	Quarterly
R-1 – Lake Level Control Well Casing	NA	NA	NA	Annually	5 years
R-2 – Reclaimed Recharge Well Casing	NA	NA	NA	Annually	5 years
Open Channels	10 Years	3 Years	6 Years	Annually	3 Years
Open Channels/Creeks Subject to Erosion, Sediment, or Heavy Debris Loads	10 Years	Following Large Storms	Annually	Following Large Storms	Annually
Retention/ Detention Ponds	3 Years	Annually	6 Years	Annually	2 Years
Critical Cross-Drains	10 Years	Following Large Storms	6 Years	Following Large Storms	6 Years
Large-Diameter Collection System Culverts	10 Years	3 Years	6 Years	3 Years	6 Years
Small-Diameter Collection System Culverts	10 Years	3 Years	6 Years	3 Years	6 Years
Pipes and Inlets Subject to Heavy Debris Loads	10 Years	Annually	6 Years	Following Large Storm Events	6 Years
Inlets	10 Years	Annually	3 Years	Annually; After Paving or Resurfacing	3 Years
Catch Basins/Stormwater Ponds	10 Years	Annually	3 Years	Annually; Following Large Storms	3 Years
Flap Gates				Annually; Following Large Storms	3 Years
Stormwater Pump Stations				Following Large Storms	Annually
Manholes	10 Years	After Paving or Resurfacing	6 Years	After Paving or Resurfacing	6 Years
Outfalls to Creeks, Depressions, and Lakes	Annually	3 Years	6 Years	Annually	6 Years

Table 5. Summary of Recommended Inspection Activities

System Component	MS4* Recommended Activities	ASCE Recommended Activities	
		Spot Check	Full Inspection
Recharge Well Structure Screens			
Recharge Well Intake Screens			
R-1 – Lake Level Control Well Casing			
R-2 – Reclaimed Recharge Well Casing			
Open Channels/ Ditches/ Creeks	• Inspect for damage that would prevent proper flow conditions and operation. • Inspect and monitor sediment and/ or litter/debris accumulation to prevent loss of storage volume and adverse impacts on flow and operation. • Inspect vegetation on bottom and side slopes of conveyances to ensure that it is healthy, maintaining coverage, and that no erosion is occurring within the conveyance system.	• Inspect the channel from street crossings or other points of access. • Channels subject to heavy sediment loads that cause invert wear should be spot checked annually. • Channels carrying large debris loads may also need to be spot checked annually at debris-deposit locations.	• Inspect the invert and channel walls for wear and cracking. • Look for souring or undermining of channel walls or inverts. • Investigate any channel settlement. • Include channel fencing in inspection, if any.

System Component	MS4* Recommended Activities	ASCE Recommended Activities	
		Spot Check	Full Inspection
Retention/ Detention Ponds	• Inspect the system for storage volume recovery within permitted time. • Inspect and monitor sediment accumulation in the system or inflow/outflow points to prevent loss of storage volume or clogging of the filter system of the inflow/outflow pipes. For wet detention, determine if accumulations exceed 20 percent of the permitted storage volume. • Inspect inflow and outflow structures, trash racks, and other components for signs of undercutting or piping, settling, or damage, and for accumulation of debris and trash that would cause clogging and adversely impact operation of the system. • Inspect the system for potential mosquito breeding areas such as cattails or other invasive vegetation. • Inspect vegetation on side slopes to ensure it is healthy and maintaining coverage, and that no erosion is occurring.	• Spot check for problems that could decrease storage capacity.	• Observe and note any sinkholes, cracks, or ruptures. • Note evidence of seepage, including piping, embankment sloughing, or the presence of detrimental vegetation. • Examine if sediment deposit is significant enough for removal. • All valves, controls, venting, and cathodic protection systems should be examined. • Overflow drains should be checked to ensure that flows are directed away from the structure to prevent under-cutting.

System Component	MS4* Recommended Activities	ASCE Recommended Activities	
		Spot Check	Full Inspection
Closed Conduits	• Inspect pipes and culverts for structural deficiencies or damage that would prevent proper flow conditions and operation. • Inspect pipes and culverts to monitor sediment accumulation to prevent loss of storage volume and adverse impacts on flow and operations. • Inspect and monitor litter/debris accumulations to prevent loss of storage volume and adverse impacts on flow and operation. • Inspection of pipes and culverts can be done through a variety of methods, such as visual observation during normal operating conditions, TVing, mirroring, or other appropriate methods.	• Inspect conduit from a manhole or inlet. • If problems are spotted, a more extensive inspection may be needed. • Conduits subject to extensive invert wear may require annual inspections. • Conduits subject to heavy debris flow should be spot-checked annually.	• Inspect the invert for wear. • Inspect the integrity of the joints. • Look for sediment deposits. • Inspect the structural integrity of the conduit. • Conduits too small for a person, or where confined-entry cannot be performed safely, may require video inspection.
Inlets and Catch Basins	• Inspect for damage that would prevent proper flow conditions and operation. • Inspect and monitor sediment accumulation to prevent loss of storage volume and adverse impacts on flow and operation. • Inspect and monitor litter/debris accumulations to prevent loss of storage volume and adverse impacts on flow and operation.	• Spot-check annually to determine if cleaning is necessary.	• Perform inspection and/or inspection-cleanout.

System Component	MS4* Recommended Activities	ASCE Recommended Activities	
		Spot Check	Full Inspection
Manholes	• Inspect for damage that would prevent proper flow conditions and operation. • Inspect and monitor sediment accumulation to prevent loss of storage volume and adverse impacts on flow and operation. • Inspect and monitor litter/debris accumulations to prevent loss of storage volume and adverse impacts on flow and operation.	• Inspect conduit from a manhole or inlet. • If problems are spotted, a more extensive inspection may be needed. • Conduits subject to extensive invert wear may require annual inspections. • Conduits subject to heavy debris flow should be spot-checked annually.	• Inspect for damage from floating debris discharging from laterals. • Check manhole covers to make sure they have not been paved over. • Manhole shafts, if well-constructed are generally trouble- free.
Outfalls to Creeks, Depressions, and Lakes	• Inspect outfalls to ensure that they are not clogged with litter, debris, or sediment and they are flowing properly. • Inspect for damaged headwalls, seepage around pipe, erosion of bank around outfall, erosion or sedimentation at discharge point, and damaged or clogged riprap.	• Inspect conduit from a manhole or inlet/outlet. • If problems are spotted, a more extensive inspection may be needed. • Conduits subject to extensive invert wear may require annual inspections. • Conduits subject to heavy debris flow should be spot-checked annually	• Inspect for damage from floating debris discharging from laterals. • Check manhole covers to make sure they have not been paved over. • Manhole shafts, if well-constructed are generally trouble- free.

2.3 Verification of System Functionality

In accordance with the University of Florida Campus Master Plan, Evaluation and Appraisal Report, Chapter 9.0, General Infrastructure Policy 1.2.3.

> *"The Facilities Services Division reviews all proposed development projects to ensure that increases in impervious surface can be accommodated in the capacity of the existing drainage system without causing flooding. Any proposed increase in campus impervious surfaces shall be implemented only upon a finding by the Facilities Services Division that existing facility capacity is already online to accommodate the increased need or that additional capacity will be funded and online at the time of need."*

Ideally, each stormwater feature would be inspected and checked against the design drawings and design calculations. These data were downloaded from the SJRWMD website as part of this project. One recommendation is for UF to store the data in a way that is easily referenced through GIS and AIM.

In general, as an initial screening tool the stormwater system should also be evaluated against the design criteria set by the statewide regulations contained in the Florida Administrative Code (FAC) Rule 62-330. The design criteria differ based on whether the stormwater system discharges to a closed basin or an open system. If the system is functioning in accordance with these criteria it may not be necessary to review the design documents in detail.

The closed basins are:

- Lake Alice Watershed
- Depressional Basins UF-1 – UF-3
- Depressional Basins UF-5 – UF-9

The open basins are:

- Hogtown Creek (or within the Hogtown Creek Basin)
- Tumblin Creek (or within the Tumblin Creek Basin)
- Depressional Basin UF-11
- Depressional Basin UF-12
- Depressional Basin UF-14

The design water quality and quantity criteria are provided by Rule 62-330, FAC, and may be found in detail in the SJRWMD *Applicant's Handbook*.

The open systems discharging to the Hogtown Creek Basin or the Tumblin Creek Basin have additional design and permitting criteria set by the City of Gainesville which can be found in the City of Gainesville's *Engineering Design & Construction Manual*.

2.4 Unscheduled Operating Procedures

Unscheduled procedures include pipeline and control structure blockage, manhole and catch basin blockage, erosion, control structure or pipeline damage, and repairs to other stormwater components. Due to the nature of stormwater, unscheduled procedures are likely to occur during a storm event under

conditions that may create safety hazards for employees. Unscheduled operating procedures should include safety precautions and be updated continually to include new safety protocols.

> *"All personnel are responsible for keeping areas safe and clean. Guards should be in place on operating equipment and all areas should be properly lit. All enclosed space should be adequately ventilated before personnel enter. All personnel should be sure they understand the following:*

- *Location of all safety equipment.*
- *Use of safety equipment and devices.*
- *All safety rules for the location.*
- *Need to be especially alert in "danger" areas." (ASCE/ EWRI 47-05).*

The following sections provide recommendations for operating procedures based on ASCE/EWRI guidance.

2.4.1 Flooding

Localized flooding can be due to blockages in the stormwater system, structural failure, or inadequate conveyance capacity. Inadequate capacity in the conveyance system can occur because of problems in design, changes in impervious area or drainage patterns, downstream restrictions, or storms beyond the design capacity of the stormwater system.

Short duration flooding impacts may be mitigated by employing temporary flood barriers (portable flood gates, sandbags, inflatable flood walls, flood skirts, etc.). Areas with repetitive or worsening flooding issues should be evaluated with projects designed to resolve flooding.

The costs of repairing damage caused by flooding should be recorded within AIM to provide supporting documentation for a cost-benefit analysis of stormwater improvements to mitigate localized flooding. These costs should include any insurance claim data as well as labor and costs incurred by multiple departments including, but not limited to, Colleges, Departments, Facilities, Housing, Facility Services, and Grounds.

2.4.2 Erosion and Deposition

Localized flooding, blockages, and improper grading may cause stormwater to flow in unplanned directions. When this water is routed across natural surfaces it can cause severe erosion. Temporary erosion control measures as well as temporary sedimentation control measures may be needed to protect infrastructure from additional damage and to protect downstream water quality.

Eroded soils may deposit in downstream areas, blocking drainage and causing additional impacts. Any emergency erosion repair should be followed by inspecting the downstream network to identify deposited material that requires removal. Following stabilization, identification of the cause of the erosion should be identified with repairs completed to direct flows in a way that will not cause further erosion or flooding.

The costs of repairing damage caused by erosion should be recorded within AIM to provide supporting documentation for a cost-benefit analysis of stormwater improvements to mitigate localized erosion. These costs should include any insurance claim data as well as labor and costs incurred by multiple

departments including, but not limited to, Colleges, Departments, Facilities, Housing, Facility Services, and Grounds.

Section 3.0 Scheduled Maintenance Activities

Properly designed and maintained stormwater infrastructure protects the built environment from rainfall, runoff, and flooding. Preventative maintenance ensures that the stormwater system functions as designed and reduces the likelihood of adverse consequences associated with stormwater runoff. When maintenance is neglected, severe impacts can occur not only to the stormwater system, but also to the infrastructure that the system was intended to protect. This section presents recommendations from the ASCE focused on preventative system maintenance.

Maintenance is either corrective or preventive. Corrective maintenance repairs infrastructure or equipment after breakdown or failure to function. Breakdown is usually related to a failure of preventive maintenance, which is intended to prevent disruptive breakdowns. Preventive maintenance is best performed on a scheduled basis from a checklist. (ASCE/ EWRI 47-05)

3.1 Annual System Inspections

Inspection of the stormwater system is the first step in identifying the need for preventative or corrective maintenance. Given the importance of the stormwater system to all other infrastructure on campus it is recommended that the University implement at least an annual system inspection as described below by the ASCE.

> *"The frequency of inspection depends on a number of factors. The original cost of the facility and the risk and consequences of failure should be considered when schedules are determined. The following recommended schedules have worked well on a wide range of facilities. They provide a starting point that may have to be adjusted to fit specific systems. As experience is gained with each component of the urban stormwater system, the schedule may be modified to fit local conditions and risk factors. Record keeping is important. Complete records of previous inspections provide a gauge for comparison to determine the rate and severity of deterioration." (ASCE/ EWRI 47-05)*

3.2 Checklists

The University maintains a main campus of more than 2,000 acres with thousands of pieces of stormwater infrastructure. Given the scale of this infrastructure, the development and use of checklists can streamline the inspection process, standardize the data collected to reduce effort, and ensure identification of necessary interventions. Checklists should be maintained within AIM and include:

- Component description
- Recommended inspection schedule
- Visual assessment
- Evidence of restricted capacity
- Manufacturers' recommended maintenance

3.2.1 Recharge Wells

The maintenance practices for Class V injection wells include:

- Inspect well screens, both at the inflow from the lake and within the structure, for accumulated debris and other obstacles to flow.
- Check the system interior for roots, mineral deposits, trash, or silt build-up.
- Inspect the ground surface for signs of subsurface drainage leaks.
- Check inlet and outlet areas for evidence of erosion, which can impede structural and hydraulic performance.
- Examine catch basins, headwalls, culverts, and visible portions of the well casing for signs of wear or breakage.
- Check the lake level over a 1-year and 5-year period for a trend of increased surface water elevation which could indicate reduced recharge down the wells.

Adapted from EPA (1999).

3.2.2 Pipes and Culverts

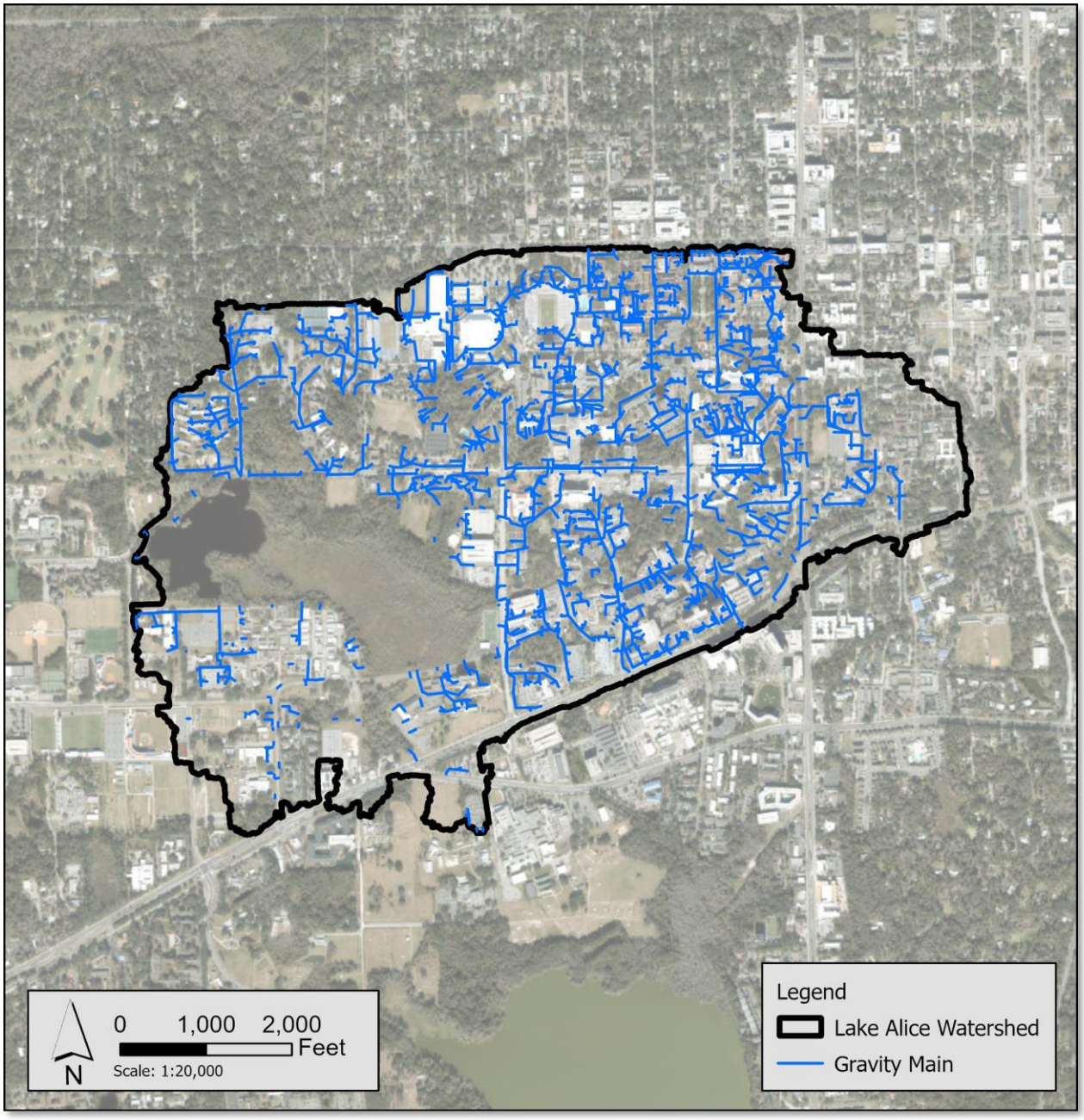

Figure 1. Lake Alice Watershed Stormwater Conveyance Pipe Locations

Recommended preventative maintenance practices for stormwater pipes:

- 6 years - Completely clean and inspect using CCTV. The inspection should include review of the wear on the pipe invert, integrity of the joints, sediment deposits, and structural integrity.

- 3 years - Spot inspection. Inspect the conduit from a manhole. If problems are identified, a more extensive inspection should be completed.
- Annually - Pipes subject to extensive invert wear to determine if repair is necessary.
- Annually and following large storm events - Pipes subject to heavy debris flows should be spot-checked. If extensive debris deposits are found annually or following large storms, then more frequent inspections are warranted as is an evaluation for design modifications to improve performance.

Adapted from ASCE/ EWRI 47-05.

3.2.3 Open Channels

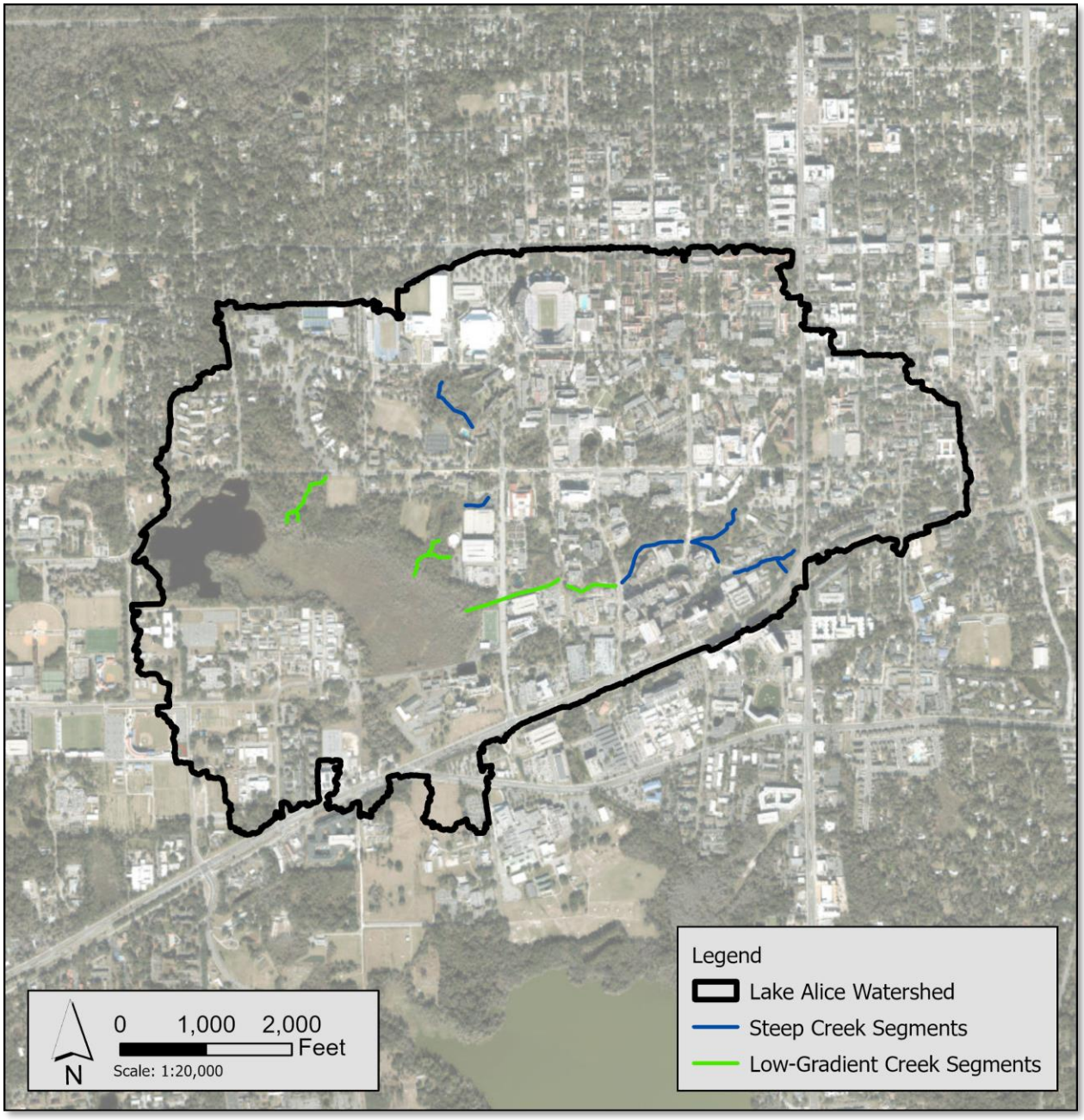

Figure 2. Lake Alice Watershed Creek Locations.

Creek, as well as other open channels such as ditches, should be inspected as follows:

- 6 years - A channel walk-through, inspecting the thalweg and banks for cracking, sloughing or bank collapse.

- 6 years - Inspect bridges, walkways, boardwalks, cross culverts, and weirs for signs of scour, erosion, undermining, settlement and/or structural damage.
- 6 years - Inspect concrete and/or rubble channel lining for cracking, scouring, undermining, and settlement. Any settlement of the channel should be investigated immediately to determine its underlying cause.
- 3 years - Spot check of the channel at street crossings or other points of access. Note any trees that are heavily leaning or have fallen into the channel. These areas should be inspected for potential scour at the toe-of-slope and for bank collapse.
- Annually – Inspect the flat-sloped sections of creek channels closer to Lake Alice for sediment deposits and debris. The frequency of inspection should be increased if there is substantial construction or earthwork in the upstream drainage areas.
- Creeks and ditches should be inspected immediately after hurricanes or other unusual flood events.

Adapted from ASCE/ EWRI 47-05.

3.2.4 Manholes and Confluence Structures

Manholes and confluence structures are enclosed spaces. Inspections and maintenance of these structures should be done with care for worker safety and following OSHA regulations for confined spaces and ladders. Recommended inspections are as follows:

- 3 years - Manhole and confluence structures as part of the inspection of the stormwater conduits.
- Annually - Inspect confluence structures for possible damage caused by floating debris discharging from laterals.
- Following paving, road maintenance or construction - The manhole frame and cover on the surface. Inspect condition and verify that manhole covers have not been paved over because of street maintenance.

Adapted from ASCE/ EWRI 47-05.

3.2.5 Inlets

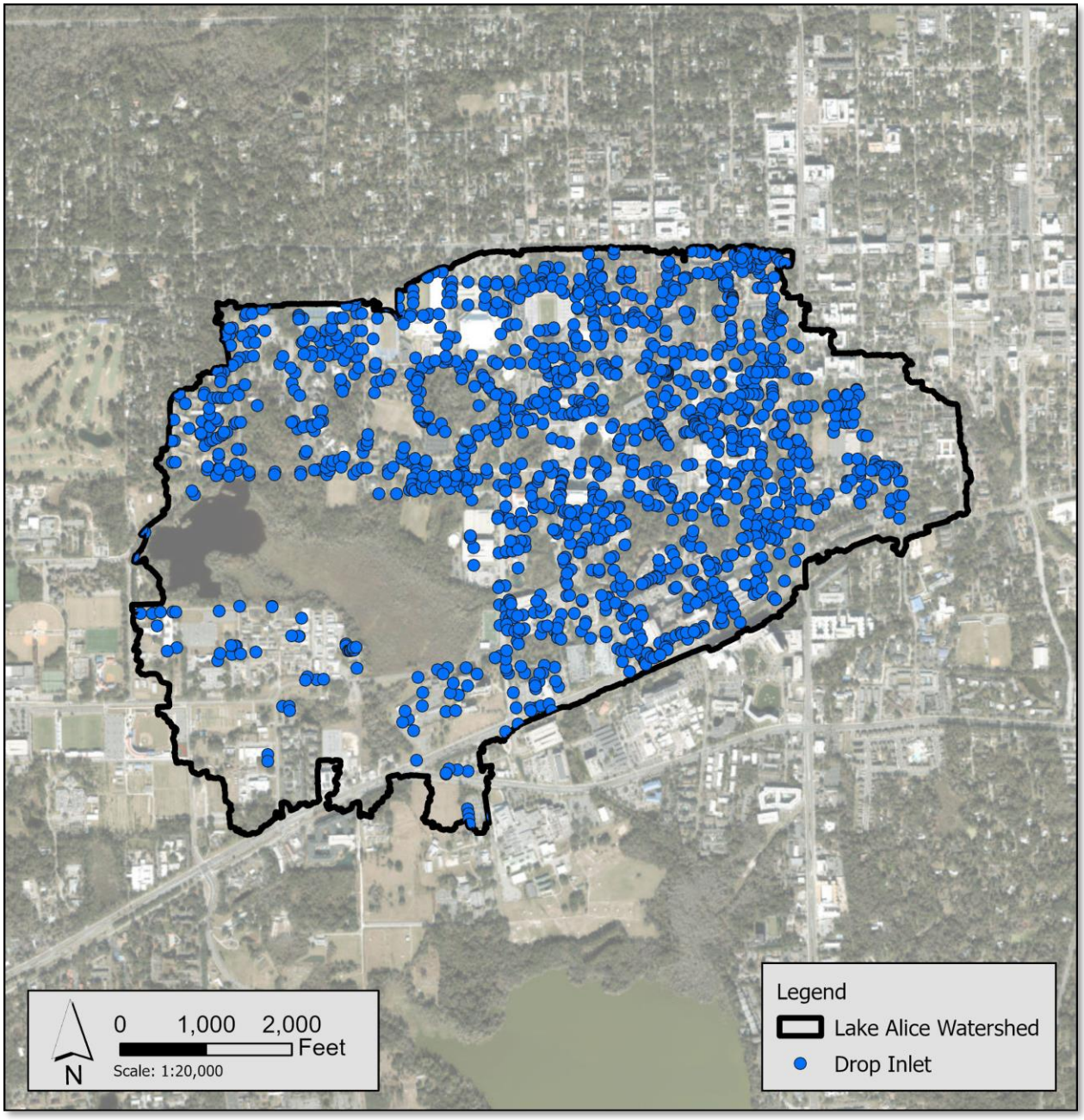

Figure 3. Lake Alice Watershed Drop Inlet Locations.

Drop inlets, catch basins, and curb inlets are places for trash, debris and leaf litter to collect, impede flow and contribute to localized flooding. Recommended inspections are as follows:

- 3 years - Combined inspection and maintenance; a maintenance crew with a vacuum truck should be available to the inspector.

- Spot check - Routine maintenance activities such as street sweeping and grass cutting provide opportunities to casually observe inlets. Any issues noted should be followed up with an inspection.
- Following paving, road maintenance or construction - Curb inlets and gutter pans should be inspected following paving, road maintenance or construction to verify that the inlet is not blocked, restricted by a thickened asphalt edge, and that slopes have not been altered to cause drainage around or away from the inlet.
- Adjust the frequency of inspection-cleanouts based on observations.

Adapted from ASCE/ EWRI 47-05.

3.2.6 Retention and Detention Ponds

UF has more small dry retention and wet detention areas than are recorded in GIS or in the watershed model. These areas are typically on the surface, but there are also underground systems. Recommended inspections are as follows:

- 6 years - Dry retention and wet detention pond and all their appurtenances. Note any sinkholes, cracks, or ruptures. Inspect the banks and note any seepage, including piping, embankment sloughing, or the presence of detrimental vegetation. Note any accumulated sediment particularly in dry retention areas that may not recharge as well through the sediment. In wet detention ponds, a survey may be needed to determine if sediment deposits are significant enough to require removal. Overflow structures should be checked for signs of settlement or undercutting.
- Spot check - Routine maintenance activities such as grass cutting provide opportunities to casually observe dry retention and wet detention areas for problems that could decrease capacity. Any issues noted should be followed up with an inspection.
- Following large storms - Retention/detention structures should be inspected following hurricanes and unusual flood events.
- Adjust the frequency of inspection-cleanouts based on observations.

Adapted from ASCE/ EWRI 47-05.

3.2.7 Flap Gates

UF has flap gates at several buildings where the building drainage system meets the stormwater drainage network. Flap gates are frequently critical to the protection of upstream infrastructure. In general, if the flap gate is downstream of the first manhole, it is the responsibility of Facilities Services Division. Flap gates should be inspected at least every 3 years. If an inspection finds a problem on a flap gate upstream of the first manhole, the inspector should enter a work order for the facility in AIM.

3.2.8 Stormwater Pump Stations

Inspect stormwater pumps stations and sump pumps annually. Pump stations should be operated during the inspection, for a sufficient length of time to ensure that all components are functioning properly. The design documentation and the manufacturer recommended operation and maintenance procedures

should be stored either in AIMs or in GIS so that the information is readily accessible by the inspector. The inspection includes the following:

- Mechanical equipment
- Electrical equipment
- Fuel tanks and fuel lines
- Wet wells
- Trash racks
- Discharge lines

Adapted from ASCE/ EWRI 47-05.

Section 4.0 Annual Maintenance Budget Estimate

Currently, the University does not have an annual stormwater maintenance budget. Most of the maintenance tasks performed are corrective actions which are performed on an emergency repair basis. Facilities Services funds one full-time employee (FTE) dedicated to inspecting stormwater ponds and facilities. The Grounds crew does the mowing and vegetation maintenance. The Utilities Department also funds a street sweeper and an FTE. The Facilities Services Department wants to develop a more robust plan and budget for preventative stormwater inspection and maintenance. This is a starting point based on literature values and estimated needs. The budget should be refined over time based on costs incurred, labor recorded, equipment used, as well as planned capital improvement projects.

4.1.1 Pipes and Culverts

The pipe network on campus has about 42 miles of gravity main pipes, with circular pipes being the most frequent (41 miles) followed by elliptical (0.81 miles) and box (0.28 miles).

- Estimated the stormwater crew as two FTE with an hourly operating cost of $30/FTE-hour including benefits.
- Pipes will be cleaned at least once every 6 years.
- Pipes will be cleaned and CCTV inspected once every 6 years, which corresponds to the recommended inspection schedule in Section 3. A unit cost of $2/linear foot was used for a contractor to use CCTV to inspect the pipes.
- Assume the crew can clean 500 linear feet of pipe per day with a one-man crew.

Table 6 summarizes the yearly collection system pipe maintenance cost estimate.

Table 6. Estimated Yearly Collection System Pipe Maintenance Cost

Maintenance Activity	Total Pipe Length (feet)	Linear Foot Cleaned Per FTE Hour	Yearly FTE Hours	Yearly Cost ($)
Pipe Cleaning	221,760	100	370	11,088
Contracted Maintenance Activities				
Maintenance Activity	**Total Pipe Length (feet)**	**Yearly Inspected Length (feet)**	**Yearly Cost ($)**	**Maintenance Activity**
CCTV Inspection	221,760	36,960	NA	73,920
Total Cost				**85,008**

4.1.2 Open Channels

UF has approximately 16,115 feet of ditches and swales of which 9,440 feet are creeks used to convey stormwater in the Lake Alice Watershed. The following assumptions and considerations were used to develop the estimated annual maintenance budget shown in Table 7.

- Estimated that 1/3 of the channels, ditches and creeks are sediment depositions areas.

- Estimated the stormwater crew as two FTE with an hourly operating cost of $30/FTE-hour including benefits.
- Debris removal is completed by UF in each stretch of open-channel once every 3 years.
- The stormwater crew can clear debris from 150 linear feet of open channel per an 8-hour day.
- Sediment removal is completed in each of the open channels once every 6 years.
- The stormwater crew can remove sediment from 50 linear feet of ditch in an 8-hour day.
- The estimated unit cost for contracted sediment removal is $200 per cubic yard and assumes the sediment may be reused or stored on campus. Estimated quantities of removed soils were not made.

Table 7. Estimated Yearly Open Channel Maintenance Cost

Maintenance Activity	Total Maintained Length (feet)	Yearly Maintained Length (Feet)	Yearly FTE Hours	Yearly Cost ($)
Debris Removal	16,115	5,372	573	17,190
Sediment Removal	5,372	1,791	573	17,190
Total Cost				**34,380**

4.1.3 Manholes, Confluence Structures, and Inlets

UF stormwater mapping indicates that there are about 840 stormwater structures on the UF campus within the Lake Alice Watershed. The database does not contain complete information on these structures regarding material, type of structure access, wall material, etc. The UF stormwater mapping project also estimated that there are 1,766 stormwater inlet structures on the UF campus within the Lake Alice Watershed. The database does not contain complete information on material and type of structure access, wall material, grate dimensions, number of pipe connections, and structure elevations. The following assumptions were used to estimate the annual maintenance costs shown in Table 8:

- Estimated the stormwater crew as two FTE with an hourly operating cost of $30/FTE-hour including benefits.
- Estimated the crew cleans 15 percent of the inlets before, during, or after significant rainfall events. Inlet cleaning takes 30 minutes per inlet/pipe end on average.
- Significant rainfall events are defined as events where more than 1 inch of rainfall occurs in a day. Based on SJRWMD rainfall gauge data, this occurs 15 times per year on average.
- Manholes and inlet bottoms are cleaned when pipes are cleaned.

Table 8. Estimated Yearly Manhole, Confluence Structure and Inlet Maintenance Cost

Maintenance Activity	Structure Count	Cleanings per year	Yearly FTE Hours	Estimated Cost ($)
Drop Inlets	1,766	3,974	3,974	119,220
Other Structures	840	1,890	1,890	56,700
Total Cost				**175,920**

4.1.4 Retention and Detention Ponds

UF mapped and classified stormwater ponds, other than Lake Alice, within the Lake Alice Watershed as the following types: retention ponds (22.1 ac), wet detention (4.07 ac), dry detention (0.77 ac), and depressions (0.51 ac). The following assumptions were made when calculating costs as shown in Table 9:

- Estimated the mowing crew as one FTE with an hourly operating cost of $30/FTE-hour including benefits.
- Estimated the dredging crew as two FTE with an hourly operating cost of $30/FTE-hour including benefits.
- 2 hours to mow 1 acre of land around a pond.
- Ponds are mowed 20 times per year – two times per month during the wet season (April through October) and once per month the remainder of the year.
- Two feet of sediment will need to be dredged from each pond once every 30 years.
- Pond dredging costs $80 per cubic yard and takes 30 minutes of labor per cubic yard.

Table 9. Estimated Yearly Pond Maintenance Cost

Maintenance Activity	Total Maintained Acres	Hours per Mow	Yearly FTE Hours	Estimated Cost ($)
Mowing	24	48	960	28,800
Maintenance Activity	**Total Maintained Acres**	**Estimated Sediment Removed (CY)**	**Yearly Sediment Removal (CY)**	**Estimated Cost ($)**
Dredging	27	87,120	2,904	319,440
Total Cost				**348,240**

4.1.5 Flap Gates

UF has flap gates at several buildings where the building drainage system meets the stormwater drainage network. The UF mapping database lists one flap gate at the Baughman Center. There are other flap gates on campus, an estimate of 30 flap gates was used for estimating costs. Flap gates should be inspected at least every 3 years (Table 10).

Table 10. Estimated Yearly Flap Gate Maintenance Cost

Maintenance Activity	Total Maintained (Count)	Hours per Maintenance	Yearly FTE Hours	Estimated Cost ($)
Flap Gate	30	2	20	600
Total Cost				**600**

4.1.6 Stormwater Pump Stations

UF has 12 stormwater pump stations, 11 of which are in the Lake Alice Watershed. Pump stations should be inspected annually. The annual maintenance items and costs resulting from inspections are not known currently. Estimated costs are shown in Table 11.

Table 11. Estimated Yearly Pump Station Maintenance Cost

Maintenance Activity	Total Maintained (Count)	Hours per Inspection	Yearly FTE Hours	Estimated Cost ($)
Pump Station	12	4	48	1,440
Total Cost				**1,440**

4.2 Budget Summary

Based on the maintenance budget estimates provided in Sections 4.1.1 through 4.1.6, the total estimated annual budget is $645,588. Table 12 summarizes the annual budget and FTE labor hours.

Table 12. Estimated Total Preventative Maintenance Cost

Maintenance Activity	Yearly FTE Hours	Estimated Cost ($)
Pipe Cleaning and Inspection	370	85,008
Open Channels	1,146	34,380
Drop Inlets and Other Structures	5,864	175,920
Pond Maintenance	3,864	348,240
Flap Gates	20	600
Pump Station	48	1,440
Total	**11,312**	**645,588**

Section 5.0 References

Alachua County, City of Gainesville, and University of Florida Board of Trustees. 2006. *Campus Development Agreement between the University of Florida Board of Trustees, City of Gainesville, and Alachua County.* August 2006.

Alachua County, City of Gainesville, and University of Florida Board of Trustees. 2015. *Campus Development Agreement between the University of Florida Board of Trustees, City of Gainesville, and Alachua County.* October 2015.

Alachua County, City of Gainesville, and University of Florida Board of Trustees. 2022. *Campus Development Agreement between the University of Florida Board of Trustees, City of Gainesville, and Alachua County.* April 2022.

Environmental Protection Agency. *The Class V Underground Injection Control Study. Volume 3: Storm Water Drainage Wells*. September 1999.

Jones Edmunds and Associates. 2018. *Stormwater Operation and Maintenance Plan: University of Florida*.

Sheldon, H.A. *Engineering Report: 2008 UIC Permit Renewal for the University of Florida's WWTP*. August 2008.

Appendix A

Basis for Lake Alice WOTUS Determination

Wetland Solutions Inc

6212 NW 43rd Street, Suite A
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(386) 462-9286

MEMORANDUM

Basis for Lake Alice Being Classified as a Water of the United States (WOTUS)

TO: Linda Dixon, Mark Helms, Chuck Kammin

COPIES: File

FROM: Wetland Solutions, Inc.

DATE: November 2, 2023

Purpose

This memo summarizes the history of the determination that Lake Alice is a Water of the United States (WOTUS) as determined by the United States Environmental Protection Agency (EPA) and the Florida Department of Environmental Protection (FDEP). This memo also discusses the status of Lake Alice as a "waters of the State" under state definition and the meanings of those designations.

Lake Alice is a shallow lake located wholly on the University of Florida campus that provides storage and treatment of stormwater runoff on campus and that historically received direct discharge of treated effluent from the University of Florida's Water Reclamation Facility. The historic and continued permitted use of Lake Alice for stormwater capture and treatment has led some members of the University community to question whether Lake Alice is a natural lake rather than a stormwater treatment pond. This understanding has led to questioning whether water quality is a significant driver for the Lake Alice Watershed Management Plan (WMP).

Wetland Solutions, Inc. (WSI) is approaching the WMP by documenting all of the regulatory interpretations and drivers and incorporating those requirements into development of the plan. It is WSI's understanding that the EPA and the FDEP recognized Lake Alice as both WOTUS and "waters of the State" for the past several decades, therefore improving water quality is an expected, and required, outcome of the WMP.

Definition of Waters of the United States

Waters of the United States are defined in the Code of Federal Regulations, 40 CFR 120.2. Waters of the United States are identified as follows:

(a) Waters of the United States means:

(1) Waters which are:

(i) Currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;

(ii) The territorial seas; or

(iii) Interstate waters;

(2) Impoundments of waters otherwise defined as waters of the United States under this definition, other than impoundments of waters identified under paragraph (a)(5) of this section;

(3) Tributaries of waters identified in paragraph (a)(1) or (2) of this section that are relatively permanent, standing or continuously flowing bodies of water;

(4) Wetlands adjacent to the following waters:

(i) Waters identified in paragraph (a)(1) of this section; or

(ii) Relatively permanent, standing or continuously flowing bodies of water identified in paragraph (a)(2) or (a)(3) of this section and with a continuous surface connection to those waters;

(5) Intrastate lakes and ponds, streams, or wetlands not identified in paragraphs (a)(1) through (4) of this section that are relatively permanent, standing or continuously flowing bodies of water with a continuous surface connection to the waters identified in paragraph (a)(1) or (a)(3) of this section.

(b) The following are not "waters of the United States" even where they otherwise meet the terms of paragraphs (a)(2) through (5) of this section:

(1) Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act;

(2) Prior converted cropland designated by the Secretary of Agriculture. The exclusion would cease upon a change of use, which means that the area is no longer available for the production of agricultural commodities. Notwithstanding the determination of an area's status as prior converted cropland by any other Federal agency, for the purposes of the Clean Water Act, the final authority regarding Clean Water Act jurisdiction remains with EPA;

(3) Ditches (including roadside ditches) excavated wholly in and draining only dry land and that do not carry a relatively permanent flow of water;

(4) Artificially irrigated areas that would revert to dry land if the irrigation ceased;

(5) Artificial lakes or ponds created by excavating or diking dry land to collect and retain water and which are used exclusively for such purposes as stock watering, irrigation, settling basins, or rice growing;

(6) Artificial reflecting or swimming pools or other small ornamental bodies of water created by excavating or diking dry land to retain water for primarily aesthetic reasons;

(7) Waterfilled depressions created in dry land incidental to construction activity and pits excavated in dry land for the purpose of obtaining fill, sand, or gravel unless and until the construction or excavation operation is abandoned and the resulting body of water meets the definition of waters of the United States; and

(8) Swales and erosional features (e.g., gullies, small washes) characterized by low volume, infrequent, or short duration flow.

(c) In this section, the following definitions apply:

(1) Wetlands means those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. Wetlands generally include swamps, marshes, bogs, and similar areas.

(2) Adjacent means having a continuous surface connection.

(3) High tide line means the line of intersection of the land with the water's surface at the maximum height reached by a rising tide. The high tide line may be determined, in the absence of actual data, by a line of oil or scum along shore objects, a more or less continuous deposit of fine shell or debris on the foreshore or berm, other physical markings or characteristics, vegetation lines, tidal gages, or other suitable means that delineate the general height reached by a rising tide. The line encompasses spring high tides and other high tides that occur with periodic frequency but does not include storm surges in which there is a departure from the normal or predicted reach of the tide due to the piling up of water against a coast by strong winds such as those accompanying a hurricane or other intense storm.

(4) Ordinary high water mark means that line on the shore established by the fluctuations of water and indicated by physical characteristics such as clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas.

(5) Tidal waters means those waters that rise and fall in a predictable and measurable rhythm or cycle due to the gravitational pulls of the moon and sun. Tidal waters end where the rise and fall of the water surface can no longer be practically measured in a predictable rhythm due to masking by hydrologic, wind, or other effects.

WOTUS Determination Timeline

This section briefly summarizes the history of EPA's WOTUS determination. Available correspondence is provided in an attachment to this memo.

- August 1973 – A permit was requested from EPA.
- November 1973 – In follow-up to the request for a permit EPA said no permit was required because there was no discharge to surface waters. (Attached)
- July 1976 – The Florida Department of Environmental Regulation (FDER), the precursor to FDEP, provided history and facts about "Pond Alice" including a 1932 aerial of Lake Alice area showing shrinkage, high water rings, and size during the rainy season.
- October 1976 – FDER outlined history and opinions regarding permanence and purposes of the area with a bathymetric map showing approximate depth of two feet and a small portion of the lake with a depth of four feet.
- March 1977 – Correspondence that the lake cannot be classified as Class III – Recreation, Fish, and Wildlife.
- December 1979 – FDEP considers the lake to be part of the waste treatment system, but EPA considers it to be WOTUS under June 7, 1979 NPDES regulations. (Attached)

- February 1980 – EPA indication that the area was a marsh and is an intrastate wetland that was modified by impoundment and could be used by both interstate and foreign travelers. (Attached)
- March 1980 – Correspondence to UF indicating that an NPDES permit is required. (Attached)
- 1984 – Permit application for wastewater facility indicating NPDES permit is not required. (Attached)
- August 1984 – Letter from UF indicating why a NPDES permit has not been applied for. (Attached)
- August 1984 – Response from EPA indicating that a NPDES permit is required. (Attached)
- 1992 – Draft NPDES permit circulated to UF. (Attached)
- 1995 – NPDES Permit issued for Lake Alice Discharge. (Attached)
- 2003 – Wastewater permit renewal indicating that Lake Alice is not a "waters of the State". (Attached)

WOTUS Determination Rationale

Historical information for Lake Alice shows that the lake existed prior to any direct discharge of wastewater as evidenced in the 1890 USGS survey (USGS Florida Arredondo Sheet N2930-W8215/15) shown in Figure 1. This is significant because it shows that Lake Alice was not excavated from uplands for the purpose of waste treatment. More recently the lake has also been shown to exist without the addition of wastewater since that flow was diverted to the inflow box for Injection Well R-2 in 1995, and subsequently connected directly to the well in 2003. Since that diversion of flow from the lake, Lake Alice has not been shown to significantly change size and has continued to regularly discharge to the recharge wells.

In initial correspondence with EPA in 1973, Lake Alice was determined to not be WOTUS because it was characterized under the exclusions from WOTUS in (b)(1): *"Waste treatment systems, including treatment ponds or lagoons, designed to meet the requirements of the Clean Water Act"*. Based on additional historical and aerial information provided to EPA by FDER in 1976, the basis for Lake Alice being declared WOTUS by EPA in 1979 was from the definition of a WOTUS as described in (a)(1)(i): *"Waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce…"*

EPA's determination that Lake Alice was a WOTUS was based on the historical or potential future use of the lake by out-of-state or foreign students and appears reasonable for a university that serves both domestic and foreign students. This use of Lake Alice may have occurred prior to the WOTUS determination in the late-1970s, and has occurred since that time, due to the use of the lake as part of classes offered at the University to out-of-state and international students and research conducted in and around the lake by undergraduate and graduate students.

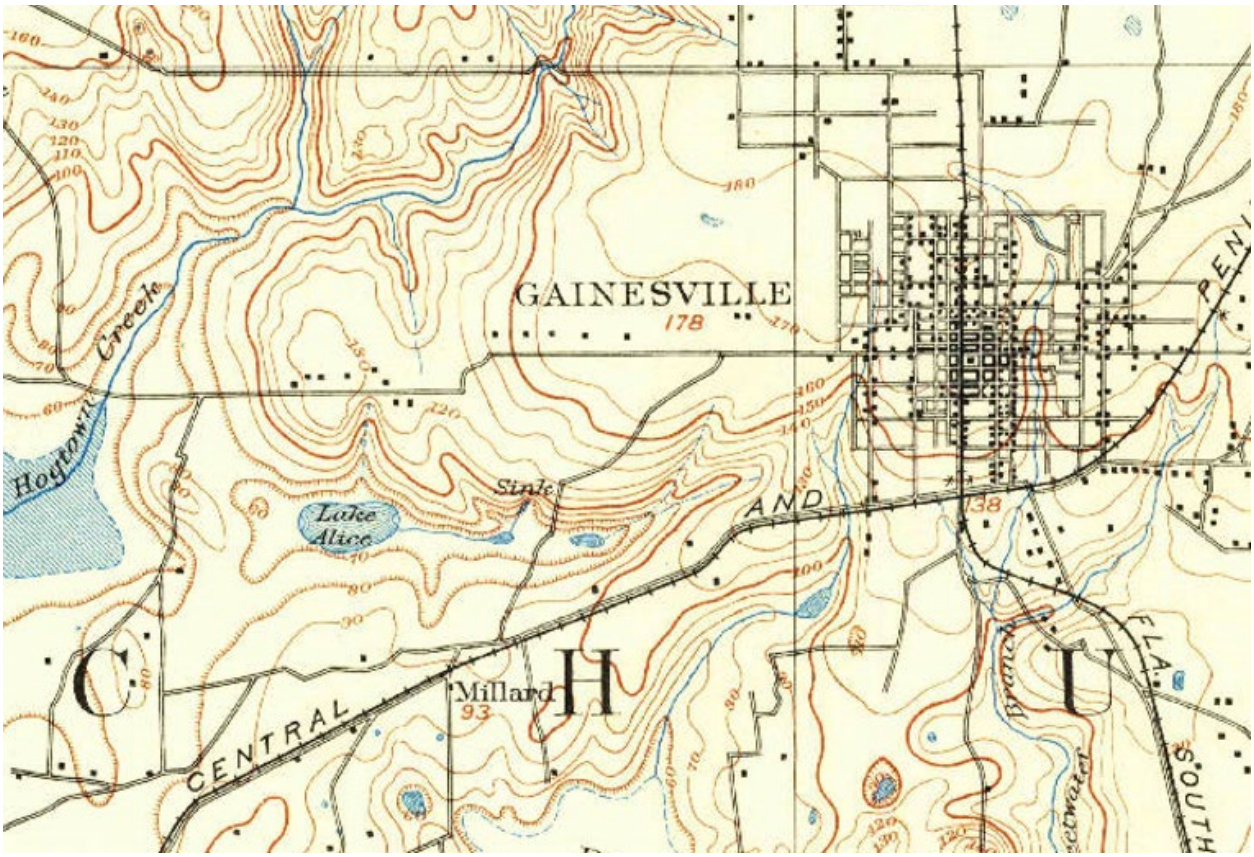


Figure 1. USGS 1890 Survey (Florida Arredondo N2930-W8215/15)

In addition to the EPA determination and the information above, Lake Alice has been treated as WOTUS by the University of Florida for decades. The first acceptance of this condition was with submission of the NPDES permit in the 1980s. The EPA then provided a Draft NPDES Permit in 1992 with issuance of a NPDES Permit in 1995. This acceptance of Lake Alice as a WOTUS has continued in numerous permitting documents since that time, up to and including, the current Master Stormwater Permit.

Definition of Waters of the State

Waters of the State are defined in Chapter 403.031 of the Florida Statutes (F.S.). Waters are defined as follows:

> *(23) "Waters" include, but are not limited to, rivers, lakes, streams, springs, impoundments, wetlands, and all other waters or bodies of water, including fresh, brackish, saline, tidal, surface, or underground waters. Waters owned entirely by one person other than the state are included only in regard to possible discharge on other property or water. Underground waters include, but are not limited to, all underground waters passing through pores of rock or soils or flowing through in channels, whether manmade or natural. Solely for purposes of s. 403.0885, waters of the state also include navigable waters or waters of the contiguous zone as used in s. 502 of the Clean Water Act, as amended, 33 U.S.C. ss. 1251 et seq., as in existence on January 1, 1993, except for those navigable waters seaward of the boundaries of the state set forth in s. 1, Art. II of the State Constitution.*

Waters of the State History

Lake Alice was historically considered by the FDER to not be a "waters of the State" because it was a part of the University's "waste treatment system". This position appears to have continued through the 1980s despite the EPA's determination that the lake was WOTUS (see previous section). However, since at least 1998, Lake Alice has been considered to be a "waters of the State" based on the clarification requested by Chuck Hogan from the SJRWMD and FDEP (attached). This position has not always been consistently applied and as recently as the 2003 permit renewal for the wastewater treatment facility the lake was characterized as not "waters of the State". The current designation and regulation of Lake Alice is as a Class III waterbody.

Implications of Designation

As a WOTUS and a "waters of the State", Lake Alice is afforded federal and state protections. These include the requirement to have an NPDES Permit for discharges of wastewaters to Lake Alice, the need for a Municipal Separate Storm Sewer System (MS4) Permit for stormwater that discharges to the lake, and the requirement that Lake Alice achieves applicable surface water quality standards for a Class III waterbody.

Attachment 1

1973 EPA Correspondence – EPA letter NPDES not required

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

1421 PEACHTREE ST., N. E.
ATLANTA, GEORGIA 30309

4AEP:RDC

November 12, 1973

RECEIVED
DIRECTORS OFFICE
NOV 14 1973
PHYSICAL PLANT
DIVISION

Mr. Calvin C. Greene
Director, Physical Plant Division
University of Florida
Gainesville, Florida 32611

Dear Sir:

A review of your NPDES Application indicates that you do not have a discharge to surface waters, thereby negating your subjection to the NPDES requirements. If, however, a more in depth review at a later date reveals that you do require a permit, you will be notified.

Upon receipt of this letter and attached application you should again review your operation to ascertain that there is no seepage or drainage to surface waters. If you determine that there is seepage or drainage to surface waters, please indicate this in the appropriate space and return the application.

Should you have a discharge to surface waters in the future, you must immdiately notify this office to avoid being in violation of the 1972 Federal Water Pollution Control Act Amendments.

Sincerely,

Raymond D. Cozart

Raymond D. Cozart
Coordinator, Administration Staff
Water Enforcement Branch

Enclosure

Attachment 2

1979 Correspondence – WOTUS Background

PAC

UNIVERSITY OF FLORIDA

Gainesville, Florida 32611

PHYSICAL PLANT DIVISION

4001-0045.AGM 2E-ERP

July 17, 1980

Mr. R. F. McGhee
US Environmental Protection Agency
Region IV, Water Enforcement Branch
345 Courtland Street
Atlanta, GA 30308

Dear Mike:

We have noted that we failed to thank you for your courteous attention and professional approach displayed by you and your staff during our visit on May 1, to discuss a classification for Lake Alice on our campus.

I am sorry that at the time we did not reach a complete meeting of minds on whether or not the area is a final waste treatment pond, or the present use degrades a wetlands which could affect interstate commerce.

We do appreciate your agreement to review your position, to work through the Florida DER to develop final determinations, and to keep us informed of progress. In anticipation of that determination, we are holding the application for the NPDES permit, per our agreement.

Please let me know if you have any questions, or if we can be of assistance in any way.

Sincerely,

W. T. Michael
Assistant Director

WTM/bk

cc: R. L. Martin

Post-it® Fax Note 7671 | Date 2/11/98 | # of pages ▶ 8
To Barbara Hatchitt | From Chuck Hogan
Co./Dept. SJRWMD | Co. UF PPD A/E
Phone # | Phone # 392-1658
Fax # 955-2440 | Fax #

Barbara, Here's some more history for you.

UNIVERSITY OF FLORIDA

GAINESVILLE, FLORIDA 32611

PHYSICAL PLANT DIVISION

May 1, 1980

Chronology

16 August 1973	Greene to EPA, requesting permit application.
12 November 1973	Cozart to Greene, stating no EPA is required, because no discharge to surface waters is involved.
26 July 1976	Greene to Stewart, FDER, giving history and facts re: "Pond Alice".
June 1932	Aerial photo of Lake Alice area, showing shrinkage or high water rings, and size during rainy season.
20 October 1976	Furman to Yao, FDER, outlining history and opinions regarding permanence and purposes of the area, with attached bathymetric map.
NOTE	Compare bathymetric with aerial photo, showing approximate depth of two feet, with small portion four feet, in 1932, during rainy season.
14 March 1977	Stuart to Singh B.C.& R., indicating that the lake cannot be classified as Class III - Recreation, Fish and Wildlife.
31 December 1979	EPA, McGhee to Howell, indicating that FDER considers the lake to be a part of the waste treatment system of the UF; but also indicating the EPA considers it is waters of the US under June 7, 1979 NPDES regulations.
6 February 1980	EPA, McGhee to Howell, indicating the area was a marsh, and is an intrastate wetland modified by impoundment, and could be used by both interstate and foreign travelers.
20 March 1980	Keever to UF, indicating that the aeration lake, known as Lake Alice, required a NPDES permit.
ATTACHMENT	June 7, 1979, Revision of Regulation NPDES; 40 CFR 122.3 t, "Definition of Navigable Waters"; indicating that waste treatment systems are not waters or wetlands of the United States.

WTM/bk

UNIVERSITY OF FLORIDA

GAINESVILLE, FLORIDA 32611

PHYSICAL PLANT DIVISION

May 5, 1980

Lake Alice: Meeting in Atlanta with EPA representatives, on May 1, 1980 in the EPA Building 235 Courtland St. 30308.

Attendees: Mr. R. L. Martin
Mr. W. T. Michael
Mr. Henry Strickland, tel: 404-881-4201
Mr. John Lank, tel: 404-881-7428
R.F. Mr. Mike McGhee, tel: 404-881-4793
Mr. Alan Farmer
Ms. Rose Mary Morrow

Referred to: 1) Nell Keever, tel: 404-526-3971
2) Jeannette Maulding, tel: 404-881-2328

Jeannette Maulding reportedly (per Farmer) stated it was not necessary to fill in all of the "metals" section of the application, if we didn't have evidence of the material's existance.

During the meeting, Mr. McGhee who came in late, maintained that Lake Alice is an Intrastate Wetland, modified by impoundment, and that the UF was engaged in Interstate Commerce because we have out-of-state and foreign students and visitors (travelers).

Obviously, Henry Strickland was opposed to the 201 Plan being reviewed, and as a consequence of his review, he had requested that McGhee determine the classification of Lake Alice. McGhee ruled it was a wetlands modified by impoundment and could be used by interstate and foreign travelers. Federal Regulations state - "wetlands the use degradation or destruction of which would affect or could affect interstate or foreign commerce--" and including "could be used by interstate or foreign travelers for recreational or other purposes."

We maintained that we did not degrade or destruct the area, and that the proviso excluding wastetreatment systems applied in our case. Also, if the US stated the lake could be used for recreation purposes we were in trouble.

McGhee stated he would review his position, and formally notify Florida Department of Environmental Regulaiton of his decision, forwarding a copy of any correspondence to us.

Mr. Lank contributed little to the conversation, stating we had foreign students and visitors, and Lake Alice was an Intrastate Wetlands, and left the meeting early, before Mr. McGhee arrived.

Mr. Farmer did not participate in the discussion, but did escort us to Ms. Keever's and Ms. Maulding's areas.

Ms. Morrow participated to a very minor degree.

Mr. McGhee stated he knew of no appeal action, except through the courts and/or public hearings after a rule had been promulgated. He stated in this case,

Attachments: Rules & Regulations

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IV
345 COURTLAND STREET
ATLANTA, GEORGIA 30308

APR 4 1990
4E-WE

RECEIVED
APR 10 1990
ASST. DIRECTOR OFFICE

Mr. W. T. Michael
Physical Plant Division
University of Florida
Gainesville, Florida 32611

Re: Determination for Lake Alice

Dear Mr. Michael:

In a recent telephone conversation with me, you requested the rationale for the determination making Lake Alice a water of the United States. Enclosed are copies of inter-office memos from the Water Quality Standards Branch of EPA reaffirming the fact that Lake Alice is classified as a water of the United States.

Should you have any further questions please feel free to contact me at (404) 881-7428.

Sincerely youre,

John C. Lank, Jr. P.E.
Chief GA/FL Compliance Group
Water Enforcement Branch
Enforcement Division

Enclosures (2)

RECEIVED
FEB 11 1998
By

December 31, 1979

Status of Lake Alice, Alachua County, Florida

Water Quality Standards Coordinator

Stallings Howell
(Florida Section)

In reference to our meeting concerning Lake Alice, I contacted FDER to determine whether or not they considered the lake "waters of Florida". Their response, dated December 18, 1979, indicates they consider the lake a part of the waste treatment system owned by the University of Florida and thereby exempt from water quality standards. EPA concurred in this position in a letter dated November 12, 1979 from Raymond Ozmart.

From the description provided in the recent FDER letter, there is little doubt that Lake Alice would be considered "waters of the U.S." Under the June 7, 1979 NPDES regulations. As a water of the U.S., Lake Alice must be covered under State water quality standards or EPA is obligated to promulgate Federal water quality standards.

I suggest we discuss this further with Enforcement and Regional Counsel and then approach FDER to seek a resolution.

Robert F. McGhee

cc: Charles Perry
[redacted] Keller

WH-TS
McGhee:dd
12/31/79

February 6, 1980

Return of the U.S. determination for Lake Alice, Alachua County, Florida

Water Quality Standards Coordinator

[redacted]

Stallings Howell 404-881-2045 2343

[redacted]

RECEIVED FEB 11 1980

At your request for a return of the U.S. determination for Lake Alice, I have examined the information in our files, discussed the situation with other EPA staff, and made an on site inspection on January 4, 1980.

Statements in our files describe the area known as Lake Alice, prior to its present appearance, as a marsh. Presently, the water level of Lake Alice is controlled by dikes and drainage wells. Lake Alice is situated such that it could be used by both interstate and foreign travelers. Lake Alice is an intrastate wetland that has been modified by impoundment.

Based on our observations, we reaffirm our July 27, 1979 determination that Lake Alice is a waters of the United States and any discharges thereto must have an NPDES permit.

This determination supersedes the conclusion reached by Mr. Raymond Conort of EPA Region I dated November 12, 1979, which was made under a different level of information and without the June 7, 1979 (40 CFR 122.3) regulations.

By copy of the memo, I am referring this information to Enforcement Division for appropriate action.

R. F. McGhee

404-881-4793 Harry Strickland

40-CFR 122.3 & 6

Attachments Original Signed By

[redacted]

Mr. Charles Petty
Regional Counsel

cc: [redacted]
Gil Mallams

WATER ENFORCEMENT BRANCH RECEIVED FEB 15 1980 EPA-REGION IV ATLANTA, GA.

RECEIVED EPA/REGION IV FEB 12 3 10PM '80 ENFORCEMENT DIVISION

[redacted]

AW-MD
Robert F. McGhee/dd
2/6/80

SENT BY:Xerox Telecopier 7020 : 2-11-98 : 9:29 : → 352 955 2440;# 7

WIW

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET
ATLANTA, GEORGIA 30308

March 20, 1980

RECEIVED
DIRECTORS OFFICE
MAR 24 1980
PHYSICAL PLANT
DIVISION

REF: 4E-WE

RECEIVED
FEB 11 1998
By

Director
Physical Plant
Division
University of Florida
Gainesville, FL 32611

RE: NPDES Permit

Dear Sir:

In 1973, your facility applied to this office for an NPDES permit. In your application you stated that your discharge went to an aeration pond, etc. Based on that information, it did not appear that you had a discharge to surface waters of the United States, so you were advised at that time that a permit would not be required for your facility.

It has now been determined that the aeration lake, known as Lake Alice, is considered to be waters of the United States and any facility discharging into those waters must have an NPDES permit.

Enclosed is a set of Standard Form A application forms with instructions. Please complete these forms and return them to this office within 20 days after receipt of this letter.

Should you have any questions concerning this, please contact this office.

Sincerely,

Nell Keever

NELL KEEVER
Environmental Protection Assistant
Planning and Reports Unit
Water Enforcement Branch
Enforcement Division

404-881-4201

Permits Branch
404-526-3971

Enclosure

Attachment 3

1984 Correspondence – Permit application indicating NPDES not required

NA
DOO1-087230.

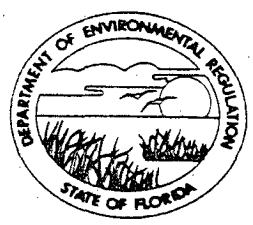
File 6113
DOO1 - 87230
Issued
11-13-86

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHEAST DISTRICT

3426 BILLS ROAD
JACKSONVILLE, FLORIDA 32207



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

G. DOUG DUTTON
DISTRICT MANAGER

APPLICATION TO CONSTRUCT/OPERATE DOMESTIC WASTEWATER TREATMENT AND DISPOSAL SYSTEMS

PART I - GENERAL

SUBPART A: Directions

(1) All applicable items must be completed in full in order to avoid delay in processing of this application. Where attached sheets (or other technical documentation) are utilized in lieu of the blank space provided, indicate appropriate cross-reference in the space and provide copies to the department in accordance with (4) below. Note that if part(s) of this application do not apply (e.g., PART V), those part(s) of the form need not be executed.

(2) The applicability of requirements to new facilities, existing facilities, and modifications of existing facilities is described in Florida Administrative Code Rule 17-6. Some requirements are applicable to new facilities; some requirements are applicable to modified or existing facilities as determined by the department on a case-by-case basis. Where certain items do not appear applicable to the project, indicate N/A in the appropriate spaces.

(3) All information is to be typed or printed in ink.

(4) Four (4) copies of this application (with supporting information) and a check for the application fee, in accordance with Florida Administrative Code Rule 17-4.05, made payable to the State of Florida, Department of Environmental Regulation, will be submitted with this application when sent to the appropriate district office or approved local program.

(5) For projects involving construction, this application is to be accompanied by two sets of engineering drawings, specifications and design data as prepared by a Professional Engineer registered in Florida, where required by Chapter 471, Florida Statutes. An engineering report (two copies) is also required to be submitted in support of this application pursuant to Florida Administrative Code Rule 17-6.150(1). For projects of limited scope (as determined by the Department), information contained in the application may suffice as the engineering report.

(6) Attach 8 1/2" x 11" USGS site location map.

SUBPART B: Application Type (mark one only)

[ ] Construction [X] Operation [ ] Temporary Operation

Applicant: Name Mr. Robert D. Cremer Title Director

Address Physical Plant Division Building 700

City University of Florida, Gainesville, Florida Zip 32611

Telephone Number 904/392-1141

SUBPART C: General Project Description

(1) Project Name: University of Florida Wastewater Treatment Plant

Location: County Alachua City Gainesville

Street Museum Drive, University of Florida

Treatment Plant: Latitude 29 °38 '10 "N Longitude 82 ° 20 ' 59 "W

Section _____ Township _____ Range _____

(2) General project description, reason needed, and relationship to existing facilities:

Extend operation permit for 3.1 mgd secondary wastewater treatment plant with effluent discharge to lagoon system which discharges to a marsh area then to Lake Alice. A portion of the treated effluent is also used for lawn irrigation.

(3) For construction permit applications:

Start of construction (date): N/A

Completion of project construction (date): N/A

(4) Itemize the construction costs for pollution control facilities. Information on actual costs shall be furnished with an application for operation permit.

N/A

(5) For this project indicate any previous DER permits; issue and expiration dates; order; and notices.

Permit # D001-20194; Issued May 21, 1979; Expiration May 21, 1984

(6) Indicate the relationship between this project and area regional planning for sewage treatment. List steps to be taken for this sewage treatment plant to become part of an area wide waste management system.

None

(7) Indicate EPA-NPDES permit, effective date and expiration date:

Permit No. FL: None Required _____ (Issue Date) _____ (Expiration Date)

Attachment 4

1984 Correspondence – EPA letter requiring NPDES Permit

UNITED STATES ENVIRONM

REG

345 COURTI
ATLANTA, GE

AUG 2 3 1984

Mr. Robert D. Cremer, Jr.
Director, Physical Plant Division
University of Florida
Gainesville, Florida 32611

Dear Mr. Cremer:

I refer to your letter dated August 10, 1984. The information you presented has been reviewed. Lake Alice is considered waters of the United States. The discharge from your wastewater treatment plant that enters the lake must be permitted.

You are instructed to complete the enclosed application for a National Pollutant Discharge Elimination System Permit. Please return the application to Ms. Priscilla Oliver at the above address. You may reach her at 404/881-7428.

Sincerely,

Peter T. McGarry

Peter T. McGarry, P.E. Chief
Florida/Mississippi Unit
Industrial Operations Section
Facilities Performance Branch
Water Management Division

Enclosure as
stated

cc: FDER, Jacksonville, Florida

When this letter was received there was no attachment (application).
I've called Priscilla Oliver and she is sending us the app.

THANKS.

81-7450

for

CRC. 8/28 will send

Attachment 5

1992 Correspondence – Draft NPDES permit

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IV
345 COURTLAND STREET, N.E.
ATLANTA, GEORGIA 30365

MAR 20 1992

REF: 4WM-WPEB

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

RECEIVED
MAR 25 1992
Director's Office
Physical Plant Division

Mr. Robert D. Cremer, Jr.
Director, Physical Plant Division
University of Florida
Building 700
Gainesville, Florida 32611

RE: Intent to issue
University of Florida
NPDES Number FL0039390

Dear Mr. Cremer:

The Environmental Protection Agency (EPA), Region IV, intends to issue a National Pollutant Discharge Elimination System (NPDES) permit in accordance with the Federal Clean Water Act to the referenced facility in the near future.

The enclosed draft permit shows the proposed conditions to be incorporated as part of the final NPDES permit. Particular attention should be given to the effluent limitations, schedule of compliance, monitoring requirements, and reporting dates.

Comments relative to this draft permit are not required; however, if you wish to submit comments, please do so within 30 days from the date of this letter. Comments made during this time period may be incorporated into the draft permit. After the 30 day period, EPA will proceed with the permitting process, including requesting state certification and publicly noticing the draft permit. At the time of public notice, a copy of the notice will be sent to you. At that time you will have an additional opportunity to comment on or object to any aspects of the draft permit.

If you have any questions concerning the enclosed conditions or the procedures associated with the permit program, please contact me at the above address or by calling (404) 347-3633.

Sincerely yours,

Forrest J. Leedy

Forrest J. Leedy
Environmental Protection Specialist
Permits Section
Water Permits and Enforcement Branch
Water Management Division

Enclosures
Draft NPDES Permit and/or Supporting Materials

Permit No. FL0039390
Minor Non-POTW

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IV

AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Clean Water Act, as amended (33 U.S.C. 1251 et seq.; the "Act"),

University of Florida

is authorized to discharge from a facility located at

Building 700
Alachua County
Gainesville, Florida

to receiving waters named

Lake Alice

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein. The permit consists of this cover sheet, Part I 4 pages, Part II 16 pages, and Part III 1 page.

This permit shall become effective on August 1, 1992.

This permit and the authorization to discharge shall expire at midnight,

Date Issued

W. Ray Cunningham, Director
Water Management division

Attachment 6

1995 Correspondence – NPDES permit

file
Alachua
U of F

Department of Environmental Protection

Lawton Chiles
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7590

Virginia B. Wetherell
Secretary

May 26, 1995

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Robert D. Cremer, Jr., P.E.
University of Florida
U.F. Bldg. 700
Gainesville, Florida 32611

Dear Mr. Cremer:

Re: University of Florida WWTP
State I.D. 3101S00709, NPDES No. FL0039390

On May 1, 1995, the Florida Department of Environmental Protection (Department) was granted authority by the U.S. Environmental Protection Agency (EPA) to administer the National Pollutant Discharge Elimination System (NPDES) permitting program. Effective that date, the Department assumed permitting and enforcement authority for the NPDES permit(s) issued by EPA for point source discharges from your wastewater facility(ies) to waters of the United States. Also on May 1, the new wastewater permitting rule, Chapter 62-620, Florida Administrative Code, became effective. The rule applies to all state wastewater permitting and supercedes previous rule provisions.

Pursuant to Rule 62-620.105(10), Florida Administrative Code (F.A.C.), the EPA-issued NPDES permit and State-issued wastewater permit for each facility are being combined into one document (Order). Enclosed is an Order identifying the Department as the permitting agency, providing the address to which your monitoring reports should be sent, and assigning a new permit number to this combined document. The permittee should affix the referenced individual permits to the enclosed Order(s) as Section I (Federal NPDES permit) and Section II (State issued permit). If you recently received an NPDES permit from EPA with an effective date later than May 1, 1995, you should also attach the newly issued permit. Duplicate permit conditions will be addressed upon renewal of this Order or, in the interim, upon a request by the permittee for a substantial revision under Rule 62-620.325, F.A.C.

Pursuant to Chapter 403.087, Florida Statutes, and Rule 62-4.052, F.A.C., an initial pro-rated regulatory program and surveillance fee is due July 30, 1995, for the facilities referenced above. Each year thereafter, the annual regulatory program and surveillance fee will be due January 15. Enclosed is a work sheet

identifying the annual fee(s) applicable to your facility(ies) according to information on file at our office. If you have questions about these fees, please contact this office by June 20, 1995. Invoices for the initial annual fees will be mailed after that date.

Please note that the Department did not request authorization for the federal sewage sludge management program. The EPA will issue sludge only permits for facilities with NPDES permits containing sludge management related permit conditions.

If there are any questions about your monitoring requirements or the annual fees, please contact Mr. Ed M. Hernandez of my staff at telephone number (904) 448-4330.

Sincerely,

Ernest E. Frey, P.E.
Director of District Management

EEF/EMH/emh
Enclosures

cc: Daryll Joyner, DEP Tallahassee

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF AGENCY ACTION

In the Matter of an Order for:

WASTEWATER PERMIT
NO. FL0039390

Mr. Robert D. Cremer, Jr., P.E.
University of Florida
U.F. Bldg. 700
Gainesville, Florida 32611
Alachua County

Pursuant to Rule 62-620.105(10)(a), Florida Administrative Code (F.A.C.), this order constitutes issuance of Wastewater Permit No. FL0039390 to the University of Florida which combines NPDES permit FL0039390 (Section I) and State permit DC01-207372 (Section II). The NPDES permit in Section I is adopted under Section 403.0885, Florida Statutes (F.S.). The State permit in Section II remains in effect under Sections 403.087 and 403.088, F.S. This agency action combining these permits is limited to identifying the Department as the permitting agency, providing addresses to send monitoring reports, providing an expiration date, and assigning a new permit number.

All permit conditions of both sections remain in effect and are unchanged. All of the conditions in Sections I and II are enforceable under Chapter 403, F.S. In addition, the conditions in Section I are enforceable under the Federal Clean Water Act by the Environmental Protection Agency.

The permittee shall continue all monitoring required by both sections of this Order. Monitoring required under Section I shall continue to be reported on EPA form 3320-1. EPA form 3320-1 for the months of April, May, and June shall be sent to the EPA. Effective with the report for the month of July 1995, the permittee shall submit EPA form 3320-1 to the Department of Environmental Protection, Mail Station 3551, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. All monitoring required under Section II shall continue to be reported on the forms required in Section II, but shall be sent to the Department at this Tallahassee address rather than to the District Office. Other than the monitoring reports for April - June, all correspondence and requests regarding Section I of this wastewater permit should be directed to this office beginning immediately.

In accordance with Rule 62-620.105, F.A.C., this Order expires upon issuance of the new facility permit unless revised under Rule 62-620.325, F.A.C., or renewed under Rule 62-620.335, F.A.C. An application for permit was received by the Department on March 9, 1995.

A person whose substantial interests are affected by this agency action may petition for an administrative proceeding (hearing) in accordance with Section 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of receipt of this permit. Petitioner shall mail a copy of the petition to the permittee at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S. The Petition shall contain the following information:

(a) The name, address, and telephone number of each petitioner, the permittee's name and address, the Department Permit number, and the county in which the project is located;
(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
(d) A statement of the material facts disputed by Petitioner, if any;
(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this agency action. Persons whose substantial interests will be affected by any decision of the Department with regard to the agency action have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will

only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This Order is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 62-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this agency action combining the existing permits will not be effective until further Order of the Department.

When the agency action is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date of the Final Order is filed with the Clerk of the Department.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Ernest E. Frey

Ernest E. Frey, P.E.
Director of District Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF AGENCY ACTION and all copies were mailed by certified mail before the close of business on May 24, 1995 to the listed persons.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to S120.52 , Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.
Kathryn L. Morton 5/26/95
Clerk Date

ANNUAL FEE WORKSHEET
Domestic Wastewater

Facility Name: University of Florida WWTP

I.D.#: FL0039390 DEP District: Northeast

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PART I. Regular Surface Water Discharge

Scenario A:

1. Permitted Capacity of Surface Water Discharge (mgd): _____

2. Permitted Reuse Capacity for which surface water discharge serves as back-up: _____

3. 70% of Permitted Reuse Capacity from 2. _____

4. Adjusted Surface Water Discharge Permitted Capacity (Item 1 minus Item 3). _____

5. Annual Fee for the capacity in item 4. _____

Scenario B:

1. UIC disposal with discharge authorized during Mechanical Integrity Test only, or percolation pond disposal with discharge authorized after specified storm events only, enter $200 $200.00

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PART II. Pretreatment

If this facility has an approved pretreatment program enter $500. $ _____

==========

PART III. Stormwater-only Outfalls

Number of Stormwater-only outfalls regulated in the NPDES permit. _____

Enter the amount equal to the number of Stormwater-only outfalls times $200. $ _____

==========

PART IV. Total Calculated Fee

TOTAL ANNUAL FEE (Sum of PART I fee from Scenario A or B, plus Parts II and III.) $200.00

Note: The annual fee will be the lesser of the amount in Part IV or the Statutory Cap of $7,500.

Attachment 7

1998 Correspondence – Chuck Hogan letter response, “waters of the State”

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Lawton Chiles
Governor

Virginia B. Wetherell
Secretary

Received as attachment to March 19, 1998 letter from Bob Pritchard, UF Counsel to Theresa Tinker, Growth Management Pol. Co

Chuck Hogan, Senior Engineer
University of Florida
Dept. of Adminstrative Affairs
Building 700, S.W. Radio Road
P.O. Box 117715
Gainsville, Fl 32611-7715

Subject_Lake Alice

Dear Mr. Hogan,

At your request, we have researched the question of whether Lake Alice is a waters of the State as defined by 403.031(13) Florida Statutes. The previous determination that it was not waters of the State, (memo date January 4,1984 by Bram Camter) was based upon facts that are no longer accurate for the lake. As such we find no basis for this water body to be excluded from being a class III waters of the State.

Sincerely,

Richard W. Cantrell

R. W. Cantrell

c.c. Jeremy Tyler DEP Jacksonville
Lisa Grant SRWMD Palatka

Attachment 8

2003 Correspondence – WWTF Permit indicating not “waters of the State”

STATEMENT OF BASIS
FOR
STATE OF FLORIDA
DOMESTIC WASTEWATER FACILITY PERMIT

PERMIT NUMBER: FLA011322

FACILITY NAME: University of Florida WWTF

FACILITY LOCATION: Gainesville
Alachua County

NAME OF PERMITTEE: University of Florida

PERMIT WRITER: Jeff Martin, P.E.

1. BASIS FOR EFFLUENT AND RECLAIMED WATER LIMITS AND MONITORING REQUIREMENTS (INCLUDING EFFLUENT MONITORING REQUIREMENTS)

General Comments

Previous State Permits:DT01-170758, issued 8/20/90 expired 8/20/95. DC01-207372, issued 10/23/92 expired 4/26/95. The consolidated wastewater facility permit FL0039390, expired on April 26, 1995. The last permit was issued 7/3/97, and expired on 7/2/02.

In accordance with Rule 62-610.100(9)(f), FAC this facility is exempt from and limitations are not applicable for TOC, and TOX.

Secondary treatment is required pursuant to 403.085(2) & 403.086(1)(b) FS. Advanced secondary treatment is provided to meet drinking water standards and lake discharge. Nutrient analysis is required, but no limitations (except NO2+NO3) were established for the discharges U-001 and R-001. Limitations are established for the lake augmentation R-002, based on BPJ from permits issued in 1990 and 1997.

This facility consists of one Class V, Group 3 well, R-2, which is utilized when the reuse system R001 cannot accept reclaimed water. This reuse system meets Chapter 62-610 FAC. The drainage well (R-1), Class V, Group 6 lake level control well can receive overflow from Lake Alice, but it is not expected to occur.

At the point of injection, DEP has determined that the total dissolved solids concentration is less than 1,000 mg/L. This determination, which has been used to establish the requirements for the injection system, is not subject to change. *[62-610.800(11), 8-8-99]*

The virus analysis is conducted by the procedure established by Dr. Sam Farrah (352) 392-5925, P.O. Box 110700, University of Florida, Gainesville, FL 32611-0700) utilizing methods referenced in the EPA document Manual of Methods for Virology (latest edition).

The following table provides the basis for Part I. A. provisions.

UIC System U-001 (Class V wells to Class G-II waters):

Parameter	Limit	Basis	Rationale
Flow (MGD)	3.0	Monthly Average Daily Flow	62-600.400(3)(b) FAC
BOD, Carbonaceous 5 day, 20C (MG/L)	10.0 12.5 15.0 20.0	Annual Average Monthly Average Weekly Average Single Sample Max.	62-610.560(2) & 62-600.740(1)(b)1.a. FAC 62-600.740(1)(b)1.b. FAC 62-600.740(1)(b)1.c. FAC 62-600.740(1)(b)1.d. FAC
Solids, Total Suspended (MG/L)	5.0	Single Sample Max.	62-610.560(2) & 62-600.440(5)(f)3. FAC
pH (SU)	6.0 to 8.5	Minimum and Maximum	62-610.560(2), 62-610.563(3) & 62-550.320 FAC
Coliform, Total and Fecal (#/100ML)	Non detectable	Single Sample Max.	62-550.310(3) FAC, 62-600.440(5)(f)1 62-550.310(3) FAC
Total Residual Chlorine (For Disinfection) (MG/L)	1.0	Minimum	62-600.463(2) & 62-600.440(5)(b) FAC
Nutrients, (MG/L)	Report (BPJ)	Annual Average Monthly Average Weekly Average Single Sample Max.	62-610.560(2), 62-610.563(3), & 62-600.740(1)(b)2.a. FAC 62-600.740(1)(b)2.b. FAC 62-600.740(1)(b)2.c. FAC 62-600.740(1)(b)2.d. FAC
Turbidity (NTU)	Report	Single Sample Max.	62-610.568(3) FAC
Primary Drinking Water Standards	See Appendix A	Maximum	62-610.560(2), 62-610.563(3), & 62-550.310 FAC
Secondary Drinking Water Standards	See Appendix A	Annual Average Monthly Average Weekly Average Single Sample Max.	62-610.560(2) or 62-610.563(3), 62-550.320, & 62-600.740(1)(b)2.a. FAC 62-600.740(1)(b)2.d. FAC 62-600.740(1)(b)2.b. FAC 62-600.740(1)(b)2.c. FAC
Coliform, Total and Fecal (#/100ml)	Non detectable	Maximum	62-528 FAC 62-550.310 FAC 62.600.540(2)(e) FAC

The following table provides the basis for Part I. B. provisions.

General Comments:

3.3 MG of reclaimed water storage is provided for the 0.96 MGD reuse system (this meets the 3 day storage requirement and the facility has alternative discharge options). In addition, reclaimed water may be used to augment Lake Alice. The facility utilizes one Class V, Group 3 well (R-2) when the reuse system R-001 cannot accept reclaimed water. Supplemental water may be used for irrigation and there are no flow limitations for supplemental water.

Land Application System R-001 (slow-rate public access):

Parameter	Limit	Basis	Rationale
Flow (MGD)	0.96	Annual Average	62-600.400(3)(b) FAC
BOD, Carbonaceous 5 day, 20C (MG/L)	10.0 10.0 15.0 20.0	Annual Average Monthly Average Weekly Average Single Sample Max.	62-610.460 & 62-600.740(1)(b)2. FAC 62-600.740(1)(b)2.b. FAC 62-600.740(1)(b)2.c. FAC 62-600.740(1)(b)2.d. FAC
Solids, Total Suspended (MG/L)	5.0	Single Sample Max.	62-610.460(1) & 62-600.440(5)(f)3. FAC
pH (SU)	6.0 to 8.5	Minimum and Maximum	62-600.445 FAC
Coliform, Fecal, % less than detection (PERCENT)	75	Minimum	62-600.440(5)(f)1. FAC
Coliform, Fecal (#/100ML)	25	Single Sample Max.	62-610.460 & 62-600.440(5)(f)2. FAC
Total Residual Chlorine (For Disinfection) (MG/L)	1.0	Minimum	62-600.440(5(b), 62-610.460(2), & 62-610.463(2) FAC
Turbidity (NTU)	Report	Single Sample Max.	62-610.463(2) FAC
Giardia (CYSTS/100 L)	Report	Single Sample Max.	62-600.463(4) FAC
Cryptosporidium (OOCYSTS/100 L)	Report	Single Sample Max.	62-600.463(4) FAC

General Comments:

Treated reclaimed water can be diverted to Lake Alice to provide lake level augmentation in the event the water drops below 69.5 feet. This lake was part of the treatment system since the 1950's and is not waters of the State. The operation of this procedure is designed such that Lake Alice will not discharge to R-1 or R-2 wells. This system is under Chapter 62-610 FAC.

The treatment facilities shall be operated in accordance with all approved operating protocols. Only reclaimed water that meets the criteria established in the approved operating protocol(s) may be released to system storage or to the reuse system. Reclaimed water that fails to meet the criteria in the approved operating protocol(s) shall be directed to reject storage. The operating protocol(s) shall be reviewed and updated periodically to ensure continuous compliance with the minimum treatment and disinfection requirements. Updated operating protocols shall be submitted to the Department for review and approval

upon revision of the operating protocol(s) and with each permit application. *[62-610.320(6) and 62-610.463(2)]*

Land Application System R-002 (slow-rate public access):

Parameter	Limit	Basis	Rationale
Flow (MGD)	3.0	Monthly Average	62-600.400(3)(b) FAC
BOD, Carbonaceous 5 day, 20C (MG/L)	5.0 5.0 7.5 10.0	Annual Average Monthly Average Weekly Average Single Sample Max.	62-610.460 & 62-600.740(1)(b)1. FAC 62-600.740(1)(b)2.b. FAC 62-600.740(1)(b)2.c. FAC 62-600.740(1)(b)2.d. FAC
Solids, Total Suspended (MG/L)	5.0	Single Sample Max.	62-610.460(1) & 62-600.440(5)(f)3. FAC
pH (SU)	6.0 to 8.5	Minimum and Maximum	62-600.445 FAC
Coliform, Fecal, % less than detection (PERCENT)	75	Minimum	62-600.440(5)(f)1. FAC
Coliform, Fecal (#/100ML)	25	Single Sample Max.	62-610.460 & 62-600.440(5)(f)2. FAC
Total Residual Chlorine (For Disinfection) (MG/L)	1.0	Minimum	62-600.440(5(b), 62-610.460(2), & 62-610.463(2) FAC
Turbidity (NTU)	Report	Single Sample Max.	62-610.463(2) FAC
Giardia (CYSTS/100 L)	Report	Single Sample Max.	62-600.463(4) FAC
Cryptosporidium (OOCYSTS/100 L)	Report	Single Sample Max.	62-600.463(4) FAC

2. RESIDUALS MANAGEMENT

The method of residuals use or disposal by this facility are transport to Gainesville Regional Utilities WWTF , or disposal in a Class I or II solid waste landfill.

3. GROUND WATER MONITORING REQUIREMENTS

Ground water monitoring requirements have been established in accordance with Rules 62-601, 62-610, 62-550 and 62-522, F.A.C. Intermediate wells are not applicable as there is no zone of discharge for the UIC system. The public access reuse system is exempt from groundwater monitoring as the final reclaimed water utilized for public access meets drinking water standards including the nitrate standard.

4. INDUSTRIAL PRETREATMENT REQUIREMENTS

In conversations with Mark Harris, FDEP Pretreatment section, Tallahassee, the facility is not required to develop an approved industrial pretreatment program. However, the Department reserves the right to require an approved program if future conditions warrant.

5. APPLICABLE RULES

The following were used as the basis of the permit limitations/conditions:

a. FAC refers to various portions of the Florida Administrative Code.

The effective dates of FAC Rule Chapters cited in the table are as follows:

Chapter	Effective Date
62-4	07-08-02
62-160	04-09-02
62-520	12-09-96
62-522	08-27-01
62-550	11-27-01
62-600	12-24-96
62-601	12-24-96
62-602	02-06-02
62-610	08-08-99
62-620	04-17-02
62-625	01-08-97
62-640	03-30-98
62-650	12-26-96
62-699	07-05-01

b. FS refers to various portions of the Florida Statutes

c. CFR refers to various portions of the Code of Federal Regulations, Title 40

d. BPJ refers to Best Professional Judgment

6. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

Effective date of the Application	April 15, 2002
Draft permit to Applicant and EPA :	October 30, 2002
Applicant publishes notice	November 5, 2002
Begining of Proposed Public Comment Period :	November 5, 2002
End of Proposed Public Comment Period :	December 15, 2002
Notice of Intent to Issue	January 13, 2003
Applicant publishes notice	February 11, 2003
Begining of Proposed Public Comment Period :	February 11, 2003
End of Proposed Public Comment Period :	February 25, 2003
Notice of Agency Action :	April 22, 2003
Proposed Issuance Date of Permit :	April 22, 2003

Appendix B

Environmental Resource Permit No. 4-001-15570-19

St. Johns River
Water Management District
Kirby B. Green III, Director • David W. Fisk, Assistant Executive Director

4049 Reid Street • P.O. Box 1429 • Palatka, FL 32178-1429 • (386) 329-4500
On the Internet at floridaswater.com.

December 3, 2010

University of Florida
Post Office Box 117700
Gainesville, FL 32611

SUBJECT: Permit Number 4-001-15570-19
University of Florida Master Drainage System

Dear Sir/Madam:

Enclosed is your permit as authorized by the Executive Director of the St. Johns River Water Management District on December 3, 2010.

This permit is a legal document and should be kept with your other important documents. The attached MSSW/Stormwater As-Built Certification Form should be filled in and returned to the Palatka office within thirty days after the work is completed. By so doing, you will enable us to schedule a prompt inspection of the permitted activity.

In addition to the MSSW/Stormwater As-Built Certification Form, your permit also contains conditions which require submittal of additional information. All information submitted as compliance to permit conditions must be submitted to the Palatka office address.

Permit issuance does not relieve you from the responsibility of obtaining permits from any federal, state and/or local agencies asserting concurrent jurisdiction for this work.

In the event you sell your property, the permit can be transferred to the new owner, if we are notified by you within thirty days of the sale. Please assist us in this matter so as to maintain a valid permit for the new property owner.

Thank you for your cooperation and if this office can be of any further assistance to you, please do not hesitate to contact us.

Sincerely,

M. Daniels

Margaret Daniels, Acting Director
Division of Regulatory Information Management

Enclosures: Permit with EN Form(s), if applicable

cc: District Permit File
Consultant: Doug Dycus, 6011 NW 1st Place, Gainesville, FL 32607

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
Post Office Box 1429
Palatka, Florida 32178-1429

PERMIT NO.: 4-001-15570-19 **DATE ISSUED:** December 3, 2010

PROJECT NAME: University of Florida Master Drainage System

A PERMIT AUTHORIZING:

Modifications to the surface water management system for the University of Florida Gainesville main campus.

LOCATION:

Sections:	1, 11, 12	Township:	10 South	Ranges:	19 East
	6, 7		10 South		20 East

Alachua County

ISSUED TO:

University of Florida
Post Office Box 117700
Gainesville, FL 32611

Permittee agrees to hold and save the St. Johns River Water Management District and its successors harmless from any and all damages, claims, or liabilities which may arise from permit issuance. Said application, including all plans and specifications attached thereto, is by reference made a part hereof.

This permit does not convey to permittee any property rights nor any rights or privileges other than those specified herein, nor relieve the permittee from complying with any law, regulation or requirement affecting the rights of other bodies or agencies. All structures and works installed by permittee hereunder shall remain the property of the permittee.

This permit may be revoked, modified or transferred at any time pursuant to the appropriate provisions of Chapter 373, Florida Statutes:

PERMIT IS CONDITIONED UPON:

See conditions on attached "Exhibit A", dated December 3, 2010

AUTHORIZED BY: St. Johns River Water Management District

By: _____ By: _____

Jeffrey Elledge
Director

Kirby B. Green, III
Executive Director

"EXHIBIT A"
CONDITIONS FOR ISSUANCE OF PERMIT NUMBER 4-001-15570-19
University of Florida
DATED DECEMBER 3, 2010

1. Activities approved by this permit shall be conducted in a manner which do not cause violations of state water quality standards.

2. Prior to and during construction, the permittee shall implement and maintain all erosion and sediment control measures (best management practices) required to retain sediment on-site and to prevent violations of state water quality standards. All practices must be in accordance with the guidelines and specifications in chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Florida Department of Environmental Regulation 1988), which are incorporated by reference, unless a project specific erosion and sediment control plan is approved as part of the permit, in which case the practices must be in accordance with the plan. If site specific conditions require additional measures during any phase of construction or operation to prevent erosion or control sediment, beyond those specified in the erosion and sediment control plan, the permittee shall implement additional best management practices as necessary, in accordance with the specifications in chapter 6 of the Florida Land Development Manual: A Guide to Sound Land and Water Management (Florida Department of Environmental Regulation 1988). The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

3. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.

4. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered specifically approved unless a specific condition of this permit or a formal determination under rule 40C-1.1006, F.A.C., provides otherwise.

5. If limestone bedrock is encountered during construction of the retention basins or a sinkhole or solution cavity forms during construction, construction of the basin must be halted immediately and the District must be notified. Remedial action will be required.

6. The permittee must report any sinkhole that develops within the surface water management system. Permittee must notify the District of any sinkhole development in the surface water management system within 48 hours of its discovery and complete sinkhole repair within 10 days of such discovery using a District approved methodology.

7. All wetland areas or water bodies that are outside the specific limits of construction authorized by this permit must be protected from erosion, siltation, scouring or excess turbidity, and dewatering.

8. Prior to construction, the permittee must clearly designate the limits of construction on-site. The permittee must advise the contractor that any work outside the limits of construction, including clearing, may be a violation of this permit.

9. This permit for construction will expire ten years from the date of issuance.

10. This permit authorizes construction and operation of modifications to the master surface water management system for the Lake Alice Watershed and Depressional Basins UF-1 through 3 and UF-5 through 9 in accordance with the "University of Florida Stormwater

Management Master Plan and Permit Application" and the plans received by the District on October 13, 2010 and as amended by Figure 2-3 received by the District on October 25, 2010.

The permittee must submit an annual report to the District in January of each year documenting the details of specific construction projects within the Lake Alice Watershed and the Depressional Basins. These reports must indicate the actual changes to impervious surface within each such basin and update the proposed construction plan as appropriate. The repost must also include as-built plans or certification by a Florida Registered Professional Engineer that all facilities have been constructed in accordance with the design approved by the District.

11. This permit does not authorize any construction of any systems that discharge directly or indirectly to Hogtown Creek or Tumblin Creek or that are located within any portion of the Hogtown Creek Basin, the Tumblin Creek Basin, the Depressional Basins UF-11, UF-12, or UF-14 or within the 100 year flood plain as outlined in the "University of Florida Stormwater Management Master Plan and Permit Application" and the plans received by the District on October 13, 2010 and as amended by Figure 2-3 received by the District on October 25, 2010. Prior to any construction within any of these areas the permittee must obtain a Standard or Individual Environmental Resource Permit authorization from the District.

12. The permittee must measure water levels in all monitoring wells on a quarterly basis. Water level measurement records must be sent to the District within 30 days of collection.

13. The permittee must conduct the groundwater and surface water monitoring programs as outlined by FDEP Permit No. FLA011322. Any modifications to the FDEP approved monitoring programs must be submitted to the District for written staff approval. The permittee must submit the monitoring test results to the District within 14 days of receipt from laboratory.

14. The permittee must implement The University of Florida Hazardous Waste Minimization Guide, Chemical Waste Management Guide, and Handling Procedure for Oil and Other Maintenance Related Waste as received by the District on September 22, 2000 and authorized by Permit Number 4-001-15570-3 and the updated Natural Disaster/Hurricane Emergency Plan, received by the District on July 14, 2010.

15. Permittee must submit plans for District review and approval prior to any construction within the 50-foot Wetland Buffer as shown on Figure 2-3 received on October 25, 2010.

16. The operation and maintenance entity shall inspect the stormwater or surface water management system once within two years after the completion of construction and every two years thereafter to determine if the system is functioning as designed and permitted. The operation and maintenance entity must maintain a record of each required inspection, including the date of the inspection, the name, address, and telephone number of the inspector, and whether the system was functioning as designed and permitted, and make such record available for inspection upon request by the District during normal business hours. If at any time the system is not functioning as designed and permitted, then within 14 days the entity shall submit an Exceptions Report to the District, on form number 40C-42.900(6), Exceptions Report for Stormwater Management Systems Out of Compliance.

17. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.

18. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by District staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.

19. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the District a Construction Commencement Notice Form No. 40C-4.900(3) indicating the actual start date and the expected completion date.

20. When the duration of construction will exceed one year, the permittee shall submit construction status reports to the District on an annual basis utilizing an Annual Status Report Form No. 40C-4.900(4). These forms shall be submitted during June of each year.

21. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the initiation of the permitted use of site infrastructure located within the area served by the portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to local government or other responsible entity.

22. The operation phase of this permit shall not become effective until the permittee has submitted the appropriate As-Built Certification Form, the District determines the system to be in compliance with the permitted plans, and the entity approved by the District in accordance with subsections 7.1.1 through 7.1.4 of the Applicant's Handbook: Management and Storage of Surface Waters, accepts responsibility for operation and maintenance of the system. The permit may not be transferred to such an approved operation and maintenance entity until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the District, the permittee shall request transfer of the permit to the responsible approved operation and maintenance entity, if different from the permittee. Until the permit is transferred pursuant to section 7.1 of the Applicant's Handbook: Management and Storage of Surface Waters, the permittee shall be liable for compliance with the terms of the permit.

23. Should any other regulatory agency require changes to the permitted system, the permittee shall provide written notification to the District of the changes prior implementation so that a determination can be made whether a permit modification is required.

24. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations prior to the start of any activity approved by this permit. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and chapter 40C-4 or chapter 40C-40, F.A.C.

25. The permittee shall hold and save the District harmless from any and all damages, claims, or liabilities which may arise by reason of the activities authorized by the permit or any use of the permitted system.

26. The permittee shall notify the District in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at

which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of rule 40C-1.612, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.

27. Upon reasonable notice to the permittee, District authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with the plans and specifications approved by the permit.

28. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the District.

29. The permittee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

30. The permittee must visually inspect all permitted surface water management basins monthly for the occurrence of sinkholes and document these inspections on District Condition Compliance Form Number EN-33. Two copies of the completed forms must be sent to the District annually by January 31st of each year.

Appendix C

Environmental Resource Permit Summary Table

Notes	Permit No	Sequence No	Project Name	Applicant	Mailing Address	City	Zip	Received Date	Issue Date	Expiration Date	Permit Status	Project Acreage	Wetland Impacts Requiring Mitigation
	15521	1	UNIV OF FL BASEBALL STADIUM	University of Florida	232 Stadium Road [Null]	Gainesville	32611-0001	10/13/1986	12/9/1986	12/9/1991	Issued	6	
	15521	2	BASEBALL STADIUM	John V. Carlson	232 Stadium Rd [Null]	Gainesville	32611-0001	4/6/1987			Never Issued	4	
	15551	1	UNIVERSITY OF FLORIDA MASTER DRAINAGE PLAN	Robert D Cremer	C/O Uf Physical Plant Division Building 700 Radio Road	Gainesville	32611-0001	8/24/1987	12/8/1987	12/8/1992	Issued	2100	
	15551	2	UF MASTER DRAINAGE PLAN	Robert D Cremer	C/O Uf Physical Plant Division Building 700 Radio Road	Gainesville	32611-0001	8/10/1992	10/7/1992	10/7/1997	Closed	0	
	15570	1	UF LAKE ALICE & DEPRESSION	University of Florida	232 Stadium Road [Null]	Gainesville	32611-0001	8/24/1987	12/8/1987	12/8/1997	Issued	1521	
	15570	2	UF LAKE ALICE & DEPRESSION	Robert D Cremer	C/O Uf Physical Plant Division Building 700 Radio Road	Gainesville	32611-0001	8/10/1992	2/9/1993	2/9/1997	Issued	1059	
Weimer_Hall North_South Hume_Hall Genetics_Cancer_Center CMS_Clinic UAA_Basketball_Practice	15570	3	UNIVERSITY OF FLORIDA MASTER DRAINAGE SYSTEM	University of Florida	C/O Physical Plant Div David S Obrien Sw Radio Rd Bldg 700	Gainesville	32611-1155	12/4/1997	11/8/2000	11/8/2005	Issued	2170.5	Avg. 0 acres
Golf_Course Golf_Course_2	15570	4	UF Golf Course Renovations	University Athletic Association Inc., University of FL	PO Box 14485 C/O Chip Howard/Auxiliary Services	Gainesville	32604-2485	3/9/2001	5/8/2001	5/8/2006	Issued	89.4	Avg. 0 acres
	15570	5	University of Florida Reitz Union Green Pond Boardwalk	University of Florida	PO Box 115050	Gainesville	32611-5050	8/5/2002	8/29/2002	8/29/2007	Issued	0.05	
Cat_Facility	15570	6	University of Florida Animal Care Facility I (Cat Facility)	University of Florida	PO Box 117700	Gainesville	32611-7700	10/14/2002	12/16/2002	12/16/2007	Issued	5.7	Avg. 0 acres
	15570	7	University of Florida - Orthopaedics Surgery and Sports Medicine Institute	University of Florida	PO Box 117700	Gainesville	32611-7700	10/17/2002	2/20/2003	2/20/2008	Issued	7.03	
	15570	8	McGuire Center	University of Florida	PO Box 117700	Gainesville	32611-7700	10/28/2002	11/26/2002	11/26/2007	Issued	2.5	
	15570	9	McGuire Center Addition to Powell Hall & Cofrin Addition to the Harn Museum	University of Florida	PO Box 117700	Gainesville	32611-7700	2/27/2003	3/28/2003	3/28/2008	Issued	9.5	
	15570	10	University of Florida Bledsoe Drive	University of Florida	PO Box 117700 C/O Physical Plant Div	Gainesville	32611-7700	6/1/2004	7/19/2004	7/19/2009	Issued	2.53	
	15570	11	University of Florida Master Drainage System	University of FL and Emmer Dev Corp	C/O Univ of Fl Phy Plant Div David Obrien Sw Radio Rd Bldg 700	Gainesville	32611-1155	7/11/2005	3/22/2006		Never Issued	2170.5	
	15570	12	Shands Ambulatory Facility	University of Florida Foundation Inc	PO Box 14425 C/O Bruce Delaney Assistant Vp For Admin	Gainesville	32604-2425	1/24/2006	4/5/2006	4/5/2011	Issued	8.89	
	15570	13	Univ of FL Implementation of Erosion Control Measures-Site 1-Dairy Pond (ltr mod)	University of FL	PO Box 117715 C/O Physical Plant David Obrien	Gainesville	32611-7715	7/17/2006	10/6/2006	11/8/2007	Issued	0.6	
	15570	14	Implementation of Erosion Control Measures at Site 7-Reitz Union Ravine	University of FL	PO Box 117715 C/O Physical Plant David Obrien	Gainesville	32611-7715	7/19/2006	1/11/2007	1/11/2012	Issued	0.66	Avg. 0 acres
2006-Archer_and_13th	15570	15	UF Erosion Control - Diamond Village, Site 6	University of Florida	PO Box 117715 C/O David Obrien Physical Plant Director	Gainesville	32611-7715	12/20/2006	3/15/2007	3/15/2012	Issued	0.1	Avg. 0 acres
	15570	16	UNIVERSITY OF FLORIDA MASTER DRAINAGE SYSTEM	University of FL and Emmer Dev Corp	C/O Univ of Fl Phy Plant Div David Obrien Sw Radio Rd Bldg 700	Gainesville	32611-1155	5/21/2008	9/23/2008	9/23/2010	Issued	2170.5	
LaCrosse	15570	17	University of Florida LaCrosse Stadium	University of Florida	PO Box 117700 C/O David S Obrien Physical Plant Director	Gainesville	32611-7700	6/20/2008	9/25/2008	9/25/2013	Issued	9.4	
	15570	18	UF Harn Museum Expansion	University of Florida	PO Box 117700 Radio Rd Bldg 700	Gainesville	32611-7700	5/19/2009	8/3/2009	8/3/2014	Issued	4.51	
	15570	19	University of Florida Master Drainage System	University of Florida	PO Box 117700	Gainesville	32611-7700	5/24/2010	12/3/2010	12/3/2020	Issued	2170.5	Avg. 0 acres
Fifield Field Temp Parking	15570	19	University of Florida Master Drainage System						CY2020		SJRWMD Filed under 15570-54		
Wertheim Lab Engineering Addition	15570	19	University of Florida Master Drainage System						CY2020		SJRWMD Filed under 15570-54		
CRC Addition and Renovation	15570	19	University of Florida Master Drainage System						CY2020		SJRWMD Filed under 15570-54		
UAA Baseball	15570	19	University of Florida Master Drainage System						CY2020		SJRWMD Filed under 15570-54		
Pathogens Temp Parking Lot	15570	19	University of Florida Master Drainage System						CY2020		SJRWMD Filed under 15570-54		
Phi Mu Sorority Addition	15570	19	University of Florida Master Drainage System						CY2020		SJRWMD Filed under 15570-54		
Band Practice Field and Pavilion	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Filed under 15570-54		
Norman Hall Rehab and College of Education Center Addition	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Filed under 15570-54		

Notes	Permit No	Sequence No	Project Name	Applicant	Mailing Address	City	Zip	Received Date	Issue Date	Expiration Date	Permit Status	Project Acreage	Wetland Impacts Requiring Mitigation
PK Yonge Phase 2	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Filed under 15570-54		
Parking Garage XIV	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Filed under 15570-54		
Vet Med BLDG 215 Addition	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Filed under 15570-54		
Vet Med Energy Plant	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Filed under 15570-54		
Delta Gamma Sorority House	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Filed under 15570-54		
Alpha Delta Pi Sorority House	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Filed under 15570-54		
UF Softball Stadium	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Filed under 15570-54		
Maguire Field Turf Con.	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Filed under 15570-54		
Museum/ Radio Roads Roundabout	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Permit 15570-45 and SJRWMD Filed under 15570-54		
Animal Science & Ritchey Rd Parking	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Filed under 15570-54		
PK Yonge Access Rd	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Filed under 15570-54		
Pi Kappa Phi Fraternity Rebuild	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Filed under 15570-54		
SW Rec Center Weight Room Expansion	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Filed under 15570-54		
Material Storage Building-Energy Park	15570	19	University of Florida Master Drainage System						CY2019		SJRWMD Filed under 15570-54		
	15570	19	Surplus Property Warehouse (MP00246)						CY 2018				
	15570	19	Pi Kappa Phu Fraternity Rebuild (UF-630						CY 2018				
	15570	19/ 35	IFAS Bee Unit Facility (UF -620)						CY 2018				
	15570	19	Flavet Field Temp Parking (MP04388)						CY 2018				
	15570	19	Wilmot Gardens Parking Lot (MP02903)						CY 2018				
Underdrains	15570	19	VetMed East Parking Lot (MP02095)						CY 2018				
	15570	19	VetMed Horse Barn (MP02082)						CY 2018				
	15570	19	VetMed Bldg 217 - Metabolic						CY2017				
	15570	19	UAA Maintenance Building						CY2015				
	15570	19	UAA Indoor Practice Facility						CY2015				
	15570	19	Vet Med Clinical Simulation Lab (UF-590)						CY2015				
	15570	19	FDOT Bike Bath West Half (MP-481)						CY2015				
Harrell_Bldg	15570	19	Harrell Med Ed Bldg (UF286)						CY2014				
	15570	19	Reitz Union Expansion (UF 368)						CY2014				
	15570	19	Heavener Hall Business Bldg (UF-380)						CY2014				
No Plans?	15570	19	Chemistry Bldg (UF-323)						CY2014				
	15570	19	Institute on Aging Modular Bldg (UF 357)						CY2014				
	15570	19	Bldg 714 Training Facility Parking						CY2014				
	15570	19	Single Student Housing 2015 (UF 400)						CY2014				

Notes	Permit No	Sequence No	Project Name	Applicant	Mailing Address	City	Zip	Received Date	Issue Date	Expiration Date	Permit Status	Project Acreage	Wetland Impacts Requiring Mitigation
	15570	19	PK Yonge Phase 2 (UF-394)						CY2014				
	15570	19	Wilmot Gardens Greenhouse						CY2014				
	15570	19	Rawlings Plaza						CY2013				
	15570	19	Broward Dining Addition						CY2013				
	15570	19	Beaty Towers - Replacement						CY2013				
	15570	19	Shands Admin Bldg & Generator						CY2013				
	15570	19	Gator Locker Room Sports Shop Add.						CY2013				
	15570	19	Institute on Aging Clinical Trans Research Bldg						CY2013				
2014	15570	19	Chemical Engineering Addition (UF-266)						CY2012				
	15570	19	Baby Gator Demo (UF 291, 292, 293)						CY2012				
	15570	19	PK Yonge Add (UF-305)						CY2012				
	15570	19	Corry Village Replacement (UF-365)						CY2012				
	15570	19	Harn Museum Asian Art Wing (UF 273)						CY2012				
	15570	19	UF Golf Practice Facility						CY2012				
	15570	19	Oconnell Gymnastics Add. (UAA-27)						CY2012				
	15570	19	Tennis Practice Facility (UAA-23)						CY2012				
	15570	19	Bike Paths						CY2012				
	15570	19	Energy Park						CY2012				
	15570	19	Phi Mu Sorority						CY2012				
	15570	19	Surge Area						CY2012				
	15570	19	McCarty A 3rd Floor (UF-372)						CY2012				
	15570	19	Weimer Expansion (UF-342)						CY2012				
	15570	19	Stadium Concourse Renovations (UAA-25)						CY2012				
	15570	19	IFAS Conference Center (UF-361)						CY2011				
	15570	19	Bldg 1162 Addition						CY2011				
	15570	19	Institute of Aging Modular Building (UF-357)						CY2011				
	15570	19	SW Research Circle Bike Trail						CY2011				
	15570	19	PPD Compound Paving						CY2011				
	15570	19	Hough Hall (UF-206)						CY2010				
	15570	19	SW Rec Center Exp (UF-275)						CY2010				
	15570	19	Pathogens Research Facility Hardscape (UF-275)						CY2010				
	15570	19	Sorority Row Alley						CY2010				
	15570	19	Reclaimed Water GST						CY2010				
IFAS_Prof_Dev	15570	20	IFAS Professional Development Center	UF Facilities Planning & Construction	PO Box 115050	Gainesville	32611-5050	8/3/2010	11/4/2010	11/4/2015	Issued	2.1	Avg. 0 acres
	15570	21	UF - Harrell Building Project	Heery Design				6/20/2013	7/12/2013		Never Issued	0	
	15570	22	Jenning's Creek Stabilization	Brown & Cullen Inc	3530 NW 43rd St	Gainesville	32606-6104	8/19/2013	10/29/2013		Never Issued	0	
Harrell_Bldg	15570	23	University of Florida Harrell Medical Education Building	University of Florida	3280 Radio Rd Bldg 700 PO Box 117700	Gainesville	32611-1917	10/4/2013	10/18/2013	10/18/2018	Issued	3.38	Avg. 0 acres
	15570	24	UF Campus Greenway Segment 1 (428896-1-52-01)	FDOT District 2	1109 S Marion Ave	Lake City	32025-5874	10/18/2013	11/21/2013		Never Issued	2	
	15570	25	UF Campus Greenway Segment 2 (430614-1-52-01)	FDOT District 2	1109 S Marion Ave	Lake City	32025-5874	10/18/2013	11/21/2013		Never Issued	4	
	15570	26	UF President's Conference	Causseaux Hewett & Walpole Inc	132 NW 76th Dr	Gainesville	32607-6676	11/19/2013	11/21/2013		Never Issued	0	
	15570	27	UF President's House Conference Center	UF Facilities Planning & Construction	PO Box 115050	Gainesville	32611-5050	11/25/2013	1/10/2014	1/10/2019	Issued	0.25	
Bike Trail West Campus to Lake	15570	28	University of Florida Campus Greenway Segment 1 FPN: 428896-1-52-01	Florida Department of Transportation	1109 S Marion Ave	Lake City	32025-5874	2/28/2014	3/6/2014	3/6/2019	Issued	5	Avg. .269 acres
Bike Trail West Lake to East	15570	29	University of Florida Campus Greenway Segment 2 FPN 430614-1-52-01	Florida Department of Transportation	1109 S Marion Ave	Lake City	32025-5874	10/16/2014	10/24/2014	10/24/2019	Issued	3	Avg. .043 acres
	15570	30	Shands Ambulatory Surgery Center Addition	University of Florida Foundation Inc	PO Box 113100	Gainesville	32611	2/17/2015	3/13/2015	3/13/2020	Issued	3.3	
	15570	31	UF/ IFAS Building 675	Frank Tipton	PO Box 110850	Gainesville	32611-0850	4/18/2016	4/21/2016		Never Issued	0	
	15570	32	University of Florida IFAS Wildlife Ecology Storage Building	University of Florida	PO Box 117700	Gainesville	32611	5/11/2016	5/27/2016	5/27/2021	Issued	0.22	
	15570	33	Mowry Road	University of Florida	PO Box 117700	Gainesville	32611-7700	7/12/2016	7/13/2016		Never Issued	0	
Drawings in files are UF Surplus Property Warehouse	15570	34	UF Golf Course Renovations	University of Florida PPD	Bldg 700 3280 Radio Rd	Gainesville	32611-1917	4/5/2017	4/27/2017	4/27/2022	Issued	2.26	
	15570	35	UF IFAS Bee Unit	University of Florida PPD	3280 Radio Road PO Box 117700	Gainesville	32611-7700	6/12/2017	6/30/2017		Never Issued	1.37	
Drawings are the Band Practice Field	15570	36	University of Florida Master Drainage Plan	University of Florida, Facility Services	3280 Radio Rd	Gainesville	32611-7700	2/23/2018	3/16/2018	3/16/2023	Issued	2.77	
	15570	37	UAA UF - Softball Stadium	University of Florida	245 Gale Lemerand Dr	Gainesville	32611-5050	5/3/2018	5/16/2018	5/16/2023	Issued	6.98	
Site Grading plans for 3 future Frat houses south of Museum	15570	38	UF Greek Lots	UF Facilities Services	Bldg 700 3280 Radio Rd	Gainesville	32611-1917	5/9/2018	6/22/2018	6/22/2023	Issued	3.26	Avg. .14 acres
Retention Vaults	15570	39	UAA UF Baseball	UF Facilities Services	Bldg 700 3280 Radio Rd	Gainesville	32611-1917	11/19/2018	12/28/2018	12/28/2023	Issued	13.15	

Notes	Permit No	Sequence No	Project Name	Applicant	Mailing Address	City	Zip	Received Date	Issue Date	Expiration Date	Permit Status	Project Acreage	Wetland Impacts Requiring Mitigation
	15570	40	UF Golf Course Renovations	University Athletic Association Inc., University of FL	PO Box 14485	Gainesville	32604-2485	10/3/2019	11/14/2019		Never Issued	89.4	
	15570	41	UF Golf Course Renovations	The University Athletic Association, Inc.	PO Box 14485 C/O Chip Howard/Auxiliary Services	Gainesville	32604-2485	11/12/2019	11/22/2019	11/22/2024	Issued	1.31	Avg. 0 acres
	15570	42	University of Florida Maguire Field Renovation	University of Florida	3280 Radio Rd Bldg 700	Gainesville	32611-1917	3/31/2020	4/21/2020		Never Issued	3.03	
	15570	43	Duke Energy Florida - Gainesville Substation	Duke Energy Florida, LLC.	3300 Exchange Pl	Lake Mary	32746-5413	4/22/2020	7/10/2020	7/10/2025	Issued	5.02	Avg. 0 acres
	15570	44	UF Animal Sciences & Ritchy Road Parking	Board of Trustees of the Internal Improvement Trust Fund of the State of Florida	3900 Commonwealth Blvd.	Tallahassee	32399	4/15/2020	7/2/2020	7/2/2025	Issued	3	Avg. 0 acres
	15570	45	UF-642A Radio Rd./Museum Dr. Roundabout	University of Florida	PO Box 117735 3280 Radio Road, Building 700	Gainesville	32611-7735	4/30/2020	6/5/2020	12/3/2020	Issued	1.78	Avg. 0 acres
Drawings are the Maquire Field Turf Renovations	15570	46	University of Florida Master Drainage System	University of Florida	3280 Radio Road Building 799	Gainesville	32611	5/22/2020	6/12/2020	6/12/2022	Issued	3.04	
2 year extension to Master Drainage System	15570	47	University of Florida Master Drainage System	University of Florida, University of Florida	PO Box 17735 3280 Radio Rd Bldg 700	Gainesville	32601	5/22/2020	6/17/2020	12/3/2022	Issued	2170.5	
2 year extension to Master Drainage System	15570	47	University of Florida Master Drainage System	University of Florida, University of Florida	PO Box 117700	Gainesville	32611-7700	5/22/2020	6/17/2020	12/3/2022	Issued	2170.5	
	15570	48	UF-642 SW Campus Transportation Improvements	University of Florida	3280 Radio Rd Bldg 700	Gainesville	32611-7735	6/4/2020	8/5/2020		Never Issued	26.37	
	15570	49	UAA UF Lacrosse/Soccer Facility	UF Facilities Services	Bldg 700 3280 Radio Rd	Gainesville	32611-1917	9/11/2020	11/16/2020		Never Issued	0.83	
	15570	50	UF Health ASCE	University of Florida, Facilities Services	3280 Radio Rd Bldg 700	Gainesville	32611-1917	1/21/2021	3/9/2021	3/9/2026	Issued	4.75	
UF Fields 5 & 6 Underdrained	15570	51	SW Rec Fields 5 & 7 FieldTurf Conversion	University of Florida	3280 Radio Rd	Gainesville	32611-1917	4/19/2021	9/2/2021	9/2/2023	Issued	4.75	
	15570	52	UF LMP Newell and NE Gateways	University Of Florida	111 Tigert Hall	Gainesville	32611-0001	6/4/2021	8/4/2021		Never Issued	1.54	
	15570	53	University of Florida Master Drainage System	University of Florida	3280 Radio Rd Bldg 700	Gainesville	32611-1917	9/23/2021	10/29/2021		Never Issued	0.13	
Permit File has CY 2019 & 2020 Projects	15570	54	University of Florida Master Drainage System - Lake Alice Phase 4	University of Florida	PO Box 117735	Gainesville	32611-7735	10/7/2021	9/19/2022		Never Issued	0.77	
Drawings are for Aggregate Storage & Solar Park	15570	55	UF Solar Park	UF - Utilities & Energy Services	PO Box 117735	Gainesville	32611-7735	11/19/2021			Pending	16	
	15570	56	UF Electrical Distribution	Jacobs	643 SW 4th Ave Ste 400	Gainesville	32601-7139	2/4/2022	6/3/2022		Never Issued	0.1	
	15570	57	University of Florida Master Drainage System	University of Florida, University of Florida	PO Box 117735	Gainesville	32611-7735	3/4/2022	6/9/2022		Never Issued	1970.65	
Application for New Mater Permit	15570	58	University of Florida Master Drainage System	University of Florida	971 Elmore Dr Rm 102	Gainesville	32611-2035	12/5/2022			Pending	1874	
WSP-Option8	15570	59	University of Florida Lake Alice Stormwater Redesign Phase IV	University of Florida	PO Box 117735	Gainesville	32611-7735	12/22/2022			Pending	0.77	
	15570	60	University of Florida Lake Alice Stormwater Redesign Phase IV	University of Florida	245 Gale Lemerand Dr	Gainesville	32611-2044	7/19/2023	8/4/2023		Never Issued	1.05	
Pervious Asphalt Possible Localized Drainage Issue	15570	61	UF Physics Multi-Use Path	University of Florida	3280 Radio Rd	Gainesville	32611-1917	8/23/2023		12/3/2022	Pending	2170.5	
	23343	1	UNIF OF FLORIDA PARK AND RIDE.	University of Florida, Board of Regents	C/O State University System Office Collins Building	Tallahassee	32399-0001	3/4/1987	4/1/1987	4/1/1992	Closed	14.3	
	23343	2	Entomology/Nematology Building	University of Florida, Board of Regents	C/O State University System Office Collins Building	Tallahassee	32399-0001	3/24/1988	4/20/1988	4/20/1993	Issued	39.1	
	23343	3	Entomology/Nematology Basin	University of Florida, Board of Regents	C/O State University System Office Collins Building	Tallahassee	32399-0001	9/5/1989	11/10/1989	11/10/1994	Issued	39.75	
	23343	4	MINI STORAGE BUILDINGS	University of Florida, Board of Regents	C/O State University System Office Collins Building	Tallahassee	32399-0001	2/10/1992	4/27/1992	4/27/1997	Issued	2	
	23352	1	Vet Med Teaching Hospital Expansion	University of Florida	232 Stadium Road [Null]	Gainesville	32611-0001	4/4/1989	4/19/1989	4/19/1994	Issued	1.3	
	23352	2	U OF F Hay Barn	University of Florida	232 Stadium Road [Null]	Gainesville	32611-0001	4/4/1989	10/11/1990	10/11/1995	Issued	1.7	
	23352	3	UNIV. OF FLA. VETERINARY MEDICINE TEACHING HOSP. EXPANSION PH. II	University of Florida	C/O Physical Plant Director Physical Plant Division Bldg 700	Gainesville	32611-1155	3/18/1991	8/22/1991	8/22/1996	Issued	9	
Vet_Med	23352	5	UNIVERSITY OF FL VETERINARY MED. ACADEMIC WING	University of Florida	Physical Plant Division Bldg 700 [Null]	Gainesville	32611-0001	10/13/1993	3/7/1994	3/7/1999	Issued	10	
	23352	6	UNIVERSITY OF FLORIDA HEALTH CENTER PARKING FAC.	University of Florida	232 Stadium Road [Null]	Gainesville	32611-0001	3/15/1995	5/11/1995	5/11/2000	Issued	6	
Vet_Parking	23352	7	College of Veterinary Medicine North Parking Lot Improvements	University of Florida	PO Box 117700	Gainesville	32611-7700	6/2/2003	7/3/2003	7/3/2008	Issued	3	
Food_Animal_Facility	23352	8	College of Vet Medicine Food Animal Facility	University of Florida	PO Box 117700 C/O Physical Plant Division	Gainesville	32611-7700	4/25/2005	6/9/2005	6/9/2010	Issued	0.34	
	23352	9	UNIVERSITY OF FL VETERINARY MED. ACADEMIC WING	University of Florida	Physical Plant Division Bldg 700 [Null]	Gainesville	32611-0001	2/22/2008	7/11/2008	7/8/2013	Issued	10	Avg. 0 acres
	23352	10	University of Florida - Veterinary Education & Clinical Research Center	University of Florida	PO Box 117700 C/O David S Obrien	Gainesville	32611-7700	12/17/2008	2/24/2009	2/24/2014	Issued	6.18	

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	23352	11	University of Fl Veterinary Med Academic Wing (ltr mod)	University of Florida	Physical Plant Division Bldg 700 [Null]	Gainesville	32611-0001	10/1/2010	12/1/2010	12/1/2012	Issued	10	
	23352	12	Equine Sports Performance Complex UF Project ID: LM5026	University of Florida	3900 Commonwealth Blvd Sunland Ctr [Null]	Tallahassee	32399-0001	12/5/2012	3/8/2013	3/8/2018	Issued	0.83	
	23352	13	UF Vet Med Parking Lot	University of Florida	3280 Radio Rd PO Box 117700	Gainesville	32611-7700	5/26/2017	6/29/2017	6/29/2022	Issued	3.18	
	23352	14	Vet Med Horse Barn Relocation	University of Florida	3274 Radio Road PO Box 117700	Gainesville	32611-7700	6/14/2017	7/10/2017	7/10/2022	Issued	0.3	
	23352	15	UF 621 - Vet Med Building 215 Expansion	University of Florida	Po Box 117700	Gainesville	32611-7700	4/20/2018	5/11/2018	5/11/2020	Issued	0.13	
	23352	16	UF Vet Med Building 1017 Anatomy Lab Expansion	University of Florida	Po Box 117700	Gainesville	32611-7700	5/2/2022	5/24/2022	5/24/2024	Issued	0.04	
	23376	1	UF HAZARDOUS WAST FACILITY	University of Florida	C/O A E Department Building 700	Gainesville	32611-0001	12/10/1991	12/10/1991		Never Issued	0	
	23392	1	UNIVERSITY OF FLORIDA HULL ROAD RECREATION COMPLEX	University of Florida	PO Box 117715 C/O Physical Pland Division	Gainesville	32611-7715	10/1/1992	2/9/1993	2/9/1998	Issued	24	
	23392	2	Southwest Recreation Center, Phase 2	University of Florida	PO Box 117715 C/O Physical Pland Division	Gainesville	32611-7715	6/16/2000	10/4/2000	10/4/2005	Issued	23.64	Avg. 0 acres
	23392	3	UF-331 - SW Recreation Center Expansion	University of Florida	PO Box 117700	Gainesville	32611-5050	4/29/2009	7/6/2009	7/6/2014	Issued	1.9	
	23392	4	UF Center for Outdoor Recreation Education	JBrown Professional Group Inc	3530 NW 43rd St	Gainesville	32606-6104	4/3/2015	4/27/2015		Never Issued	0	
	23392	5	UF Center for Outdoor Recreation Education	University of Florida	PO Box 117715	Gainesville	32611-7715	6/10/2015	6/23/2015		Never Issued	2170.5	
	23392	6	UF Center for Outdoor Recreation Education	University of Florida	232 Stadium Po Box 115050	Gainesville	32611-5050	6/24/2015	6/26/2015	6/26/2017	Issued	0.4	
	23392	7	UF-670 SW Rec Addition	University of Florida	3820 Radio Rd Bldg 700	Gainesville	32611-0001	9/3/2021	10/12/2021	10/12/2023	Issued	0.23	
	23409	1	DELTA GAMMA SORORITY EXPANSION/RENOVATION	Delta Gamma Sorority	808 W Panhellenic Dr	Gainesville	32601-7863	7/28/1993			Never Issued	1	
Dialysis_Center	23410	1	SHANDS MEDICAL SERVICES PLAZA (RENAL DIALYSIS)	Shands Hospital, Shands Hospital	1600 SW Archer Rd Box J-366 [Null]	Gainesville	32610-0001	8/16/1993	12/1/1993	12/1/1998	Issued	7	
Assume JE reviewed in 2016	23445	1	VAMC AMBULATORY CARE - FAR WEST PARKING LOT	Veterans Affairs Medical Center, Veterans Affairs Medical Center	1601 SW Archer Rd	Gainesville	32608-1135	1/2/1996	6/5/1996	6/5/2001	Issued	0	
Assume JE reviewed in 2016	23445	2	VA Project No. 573-05-102, Expand Parking Lot No. 5	US Dept Of Veterans Affairs, North FL/South GA Veterans Health System	Malcom Randall VA Medical Center 1601 SW Archer Rd	Gainesville	32608	5/1/2006	9/14/2006	9/14/2011	Issued	10.52	Avg. 0 acres
Assume JE reviewed in 2016	23445	3	VAMC Correct Patient Privacy Deficiencies	US Dept Of Veteran Affairs	1601 SW Archer Rd	Gainesville	32608-1135	8/10/2007	5/12/2008	5/12/2013	Issued	5.44	
Assume JE reviewed in 2016	23445	4	VA Parking Garage Addition (ltr mod)	US Dept Of Veterans Affairs, North FL/South GA Veterans Health System	Malcom Randall VA Medical Center 1601 SW Archer Rd	Gainesville	32608	7/23/2009	8/11/2009	9/14/2011	Issued	2.47	
Assume JE reviewed in 2016	23445	5	Gainesville V.A. Parking Garage Phase 2 (ltr mod)	US Dept Of Veterans Affairs, North FL/South GA Veterans Health System	Malcom Randall VA Medical Center 1601 SW Archer Rd	Gainesville	32608	2/8/2011	3/7/2011	3/7/2013	Issued	10	
Assume JE reviewed in 2016	23445	6	Gainesville VA, Site Preparation for Fisher House	US Department of Veterans Affairs	1601 SW Archer Rd North Florida/South Georgia Veterans Health System	Gainesville	32608-1135	5/1/2012	8/22/2012	8/22/2017	Issued	1.51	
Assume JE reviewed in 2016	23445	7	Gainesville V.A. Parking Garage Phase 3	AKEA Inc	25105 W Newberry Rd	Newberry	32669-4251	2/12/2013	2/15/2013	2/15/2016	Issued	10.52	
	23445	8	Gainesville V.A. Parking Garage Phase 2 (ltr mod)	AKEA Inc	25105 W Newberry Rd	Newberry	32669-4251	2/13/2013	2/13/2013		Never Issued	10	
	23445	9	Gainesville VA, New Boiler Building	US Department of Veterans Affairs	Malcom Randall VAMC 1601 Sw Archer Rd	Gainesville	32608-1135	12/14/2018	1/4/2019	1/4/2024	Issued	0.78	
	23451	1	BRAIN INSTITUTE	St.of Fl Bd.of Trustees of The Internal Imprmnt	3900 Commonwealth Blvd	Tallahassee	32399-3000	7/19/1996	8/6/1996	8/6/2001	Issued	0.18	
	31054	1	DEPARTMENT OF GENERAL SERVICES	Florida Department of General Services	2737 Centerview Dr Knight Bldg Suite 301 [Null]	Tallahassee	32399-0959	2/12/1990	3/9/1990	3/9/1995	Issued	0	
	31231	1	WOODBURY APARTMENTS	W C Woodbury	1114 SW 6th Ave	Gainesville	32601-6351	2/26/1992	4/12/1992	4/12/1997	Issued	0.52	
	31231	2	Woodbury Row Phase II	Wheelbarrow and the Car, Inc.	PO Box 1309 C/O Wells Thelosen	Gainesville	32602-1309	1/25/2008	8/29/2008	8/29/2013	Issued	1.15	
Underground Exfiltration Vault	31231	3	Woodbury Row Phase III	WNC 1114, LLC	PO Box 12322	Gainesville	32604-0322	7/28/2017	8/21/2017	8/21/2022	Issued	0.93	
Dry Detention w filtration	31353	1	IVY HOUSE DORMITORY	George Conda	7117 NW 20th Pl	Gainesville	32605-3135	1/26/1994	4/27/1994	4/27/1999	Issued	0.58	
VA	31434	1	V.A.M.C. WEST PARKING LOT IMP & MASTER DRAIN PLAN	Veterans Affairs Medical Center	1601 SW Archer Rd	Gainesville	32608-1135	3/24/1995	5/22/1995	5/22/2000	Issued	3.9	
Underdrains	31583	1	SHAMROCK APARTMENTS	Jay Herrington	912 NW 56th Ter Ste B	Gainesville	32605-6404	4/16/1997	5/14/1997	5/14/2002	Issued	0.63	
	31605	1	ON THE BORDER CAFE	Campus Lands Corporation	13992 W Hillsborough Ave	Tampa	33635-9656	1/7/1998	3/20/1998	3/20/2003	Issued	19	
Bojangles_old	31605	2	Bojangles on Archer Road	Primax Properties, LLC	1100 E Morehead St	Charlotte	28204-2815	8/30/2016	9/30/2016	9/30/2018	Issued	4.33	
Exfiltration Vault	64454	1	Gainesville Florida (UF) Institute	Jerry Morriss	4823 N Royal Atlanta Dr	Tucker	30084-3894	3/13/2000	5/25/2000	5/25/2005	Issued	0.42	
Frat_Row_Ditch	75082	1	UNIVERSITY OF FL - KAPPA ALPHA DRAINAGE DITCH	University of Florida	C/O Physical Plant David Obrien Sw Radio Rd Bldg 700	Gainesville	32611-1155	11/13/1998	12/11/1998	12/11/2003	Issued	0	
	82960	2	Shands at AGH Cardiac Cath Lab Addition & Revisions to the existing Heart Center Facility	Shands Teaching Hospital & Clinics Inc	PO Box 100366	Gainesville	32610-0366	6/10/2003	8/15/2003	8/15/2008	Issued	0.62	
	82960	10	Shands at AGH Demolition	Shands Teaching Hospital & Clinics Inc	PO Box 100366	Gainesville	32610-0366	1/15/2010	4/8/2010	4/8/2015	Issued	10.74	
	82960	11	Florida Innovation Hub at UF	University Of Florida Facilities Planning & Construction	PO Box 115050	Gainesville	32611-5050	2/25/2010	4/28/2010	4/28/2015	Issued	1.04	

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	82960	12	Florida Innovation Hub at UF (ltr mod)	University Of Florida Facilities Planning & Construction	PO Box 115050	Gainesville	32611-5050	9/27/2010	11/2/2010		Never Issued	1.04	
	82960	26	Inception at Innovation Square	TBG Innovation Square, LLC	Ste 100 5605 Glenridge Dr	Atlanta	30342-1372	7/21/2016	8/25/2016		Never Issued	0.94	
	82960	27	Innovation Hub Phase 2	Innovation Square, LLC, UF Board of Trustees	Ste 108 720 SW 2nd Ave	Gainesville	32601-6250	7/21/2016	8/23/2016	8/23/2018	Issued	2.23	
	82960	28	Inception at Innovation Square	TBG Innovation Square, LLC	Suite C200 6780 Roswell Rd Ste C200	Atlanta	30328-2574	10/11/2016	10/25/2016	10/25/2021	Issued	0.94	
	82960	30	iDistrict Temporary Parking	Innovation Square, LLC	Ste 108 720 SW 2nd Ave	Gainesville	32601-6250	10/17/2017	11/16/2017	11/16/2022	Issued	0.94	
	82960	32	Hub on Campus	Core Gainesville University LLC	540 W Madison St Ste 2500	Chicago	60661-2555	9/5/2019	2/3/2021	2/3/2026	Issued	1.11	
	82960	36	Inception	TBG Innovation Square, LLC	6780 Roswell Rd Ste C200	Atlanta	30328-2574	11/24/2021	8/11/2022	8/11/2027	Issued	0.94	
Dry Retention 24 ft/day	90533	1	Delta Zeta House	Delta Zeta National Housing Corp	202 E Church St	Oxford	45056-1320	9/11/2003	11/21/2003	11/21/2008	Issued	0.7	
Dry Retention	92642	1	Medical Center Apartments	S E Hardin	PO Box 8	Bronson	32621-0008	2/24/2004	6/17/2004	6/17/2009	Issued	0.5	
Retention/ Exfiltration	92642	2	Campus View	Campus View of Gainesville	20725 SW 46th Ave	Newberry	32669-4775	8/11/2004	10/19/2004	10/19/2009	Issued	0.5	
Dry Retention	92642	3	Campus View II	Campus View of Gainesville LLC	20725 SW 46th Ave	Newberry	32669-4775	10/14/2004	11/11/2004	11/11/2009	Issued	1.1	
Dry Retention	92642	4	Campus View III	Campus View of Gainesville LLC	20725 SW 46th Ave	Newberry	32669-4775	6/14/2005	8/22/2005	8/22/2010	Issued	0.48	
Dry Retention	92642	5	Campus View North	Campus View North LLC	20725 SW 46th Ave C/O Svein Dyrkolbotn	Newberry	32669-4775	10/14/2005	11/11/2005	11/11/2010	Issued	0.65	
Dry Retention	92642	6	Campus View South	SHD Development LLC	7328 W University Ave Ste G C/O Svein Dyrkolbotn	Gainesville	32607-1635	5/11/2006	7/13/2006	7/13/2011	Issued	1.17	
Dry Retention	92642	7	Campus View South - Parking Lot Addition	SHD Development LLC	7328 W University Ave Ste G C/O Svein Dyrkolbotn	Gainesville	32607-1635	1/9/2007	2/8/2007	2/8/2012	Issued	1.36	
Underground Vault- 40 ft/day	92642	8	Campus View Place	SHD Development LLC	7328 W University Ave Ste G C/O Svein Dyrkolbotn	Gainesville	32607-1635	10/11/2007	12/21/2007	12/21/2012	Issued	1.73	
Underground retention/ detention	94093	1	Estates at Sorority Row	Heritage Investment Group of Gainesville, LLC	321 SW 13th St	Gainesville	32601-6329	6/10/2004	5/11/2005	5/11/2010	Issued	0.41	
Underground retention/ detention	94093	2	Estates at Sorority Row (ltr mod)	Heritage Investment Group of Gainesville, LLC	321 SW 13th St	Gainesville	32601-6329	5/8/2007	1/15/2009		Never Issued	0.41	
Underground retention/ detention	94093	3	Estates at Sorority Row	Heritage Investment Group of Gainesville LLC	321 SW 13th St	Gainesville	32601-6329	12/8/2009	12/18/2009	12/18/2014	Issued	0.41	
retention	95119	1	10th Street Historic Apartments	Heritage Investment Group of Gainesville LLC	321 SW 13th St	Gainesville	32601-6329	8/11/2004	10/20/2004	10/20/2009	Issued	0.3	
retention	95119	2	Stratford Square II	Heritage Investment Group of Gainesville LLC	321 SW 13th St C/O John Fleming	Gainesville	32601-6329	2/14/2008	4/23/2008	4/23/2013	Issued	0.17	
Exfiltration	95874	1	Taylor Square	CA RAJ Inc	5216 SW 91st Dr	Gainesville	32608-3006	10/11/2004	12/20/2004	12/20/2009	Issued	0.39	
	96207	1	Gatorwood Apartments	Gatorwood Apartments LLC	600 Brickell Ave Ste 800	Miami	33131-3067	11/5/2004	5/25/2005	5/25/2010	Issued	9.15	Avg. 0 acres
2006_Bartram_Apts	96207	2	The Bartram	Gatorwood Apartments LLC	777 Brickell Ave Ste 808 C/O Keith Colgan	Miami	33131-2866	10/16/2006	4/30/2007	4/30/2012	Issued	9.15	Avg. 0 acres
Underground Dry retention/ detention	99615	1	SW 5th Ave Apartments	?	5218 SW 91st Dr Ste B C/O Gatorland Investments Inc	Gainesville	32608-3026	6/14/2005	8/15/2005	8/15/2010	Issued	0.41	
Underground Dry retention/ detention	99615	2	Ashton Lane II	Heritage Investment Group of Gainesville LLC	321 SW 13th St	Gainesville	32601-6329	2/10/2011	4/26/2011	4/26/2016	Issued	1	
Underground Dry retention/ detention	99615	3	Ashton Lane II Parking Lot	Heritage Investment Group of Gainesville, LLC	321 SW 13th St	Gainesville	32601-6329	1/6/2015	1/30/2015	1/30/2020	Issued	0.13	
Exfiltration Trench	100445	1	Vision Townhomes	Gasset & Gasset Co Trustees	10965 SW 136th St	Miami	33176-6473	7/27/2005	1/3/2006	1/3/2011	Issued	0.28	
Wet Detention to Sink Hole	101707	1	Select Medical	Lauth Construction Group LLC	401 Pennsylvania Pkwy C/O Gregory C Gurnik	Indianapolis	46280-1385	10/6/2005	1/25/2006	1/25/2011	Issued	7.34	Avg. 0 acres
Wet Detention to Sink Hole	101707	2	Select Medical Expansion	Select Medical Holdings, Corp.	4714 Gettysburg Rd	Mechanicsburg	17055-4325	11/2/2017	12/1/2017		Never Issued	7.34	
Wet Detention to Sink Hole	101707	3	Select Medical	Emmer Development Corp	2801 Sw Archer Rd	Gainesville	32608-1020	2/1/2018	2/23/2018	2/23/2020	Issued	7.34	
Retention	103674	1	Kappa Sigma	Delta Rho Chapter House Association	1059 42nd Ave NE C/O Marshall Stevens	Saint Petersburg	33703-5235	2/6/2006	5/24/2006	5/24/2011	Issued	0.56	
	105949	1	Univ of FL Implementation of Erosion Control Measures-Site 5-Sorority Row	University of Florida	PO Box 117715 C/O Physical Plant Div David Obrien	Gainesville	32611-7715	6/5/2006	10/9/2006	10/9/2011	Issued	0.1	Avg. 0 acres
	107025	1	Shands New 168 Bed Cancer Hospital	Shands Teaching Hospital & Clinics Inc	1600 SW Archer Rd G 157 [Null]	Gainesville	32610-0001	8/9/2006	2/19/2007	2/19/2012	Issued	14.62	Avg. .15 acres
	107025	2	Shands Cancer Hospital	Shands Teaching Hospital & Clinics Inc	1600 SW Archer Rd G 157 [Null]	Gainesville	32610-0001	6/18/2008	11/26/2008	11/19/2013	Issued	14.62	Avg. .81 acres
	107025	3	Shands Healthcare - New 168 Bed Cancer Hospital	Shands Teaching Hospital & Clinics Inc	1600 SW Archer Rd G 157 [Null]	Gainesville	32610-0001	7/6/2009	4/30/2010	4/30/2030	Issued	26.94	
	107025	4	Rush Lake Vegetation Removal	Shands Teaching Hospital & Clinics Inc	1600 SW Archer Rd G 157 [Null]	Gainesville	32610-0001	3/19/2010	2/22/2011	2/22/2016	Issued	2	Avg. 1.91 acres
	107025	5	Demolition of Rush Lake Motel	Shands Teaching Hospital	PO Box 1003666 [Null]	Gainesville	32610-0001	11/16/2012	11/21/2012	11/21/2017	Issued	0.9	
	107025	6	UF Health Shands Academic Medical Center Expansion	Shands Teaching Hospitals & Clinics	1600 SW Archer Rd	Gainesville	32610-3003	4/11/2014	5/12/2014		Never Issued	26	
	107025	7	Shands AMCE	Shands Teaching Hospital & Clinics, Inc.	1600 SW Archer Rd	Gainesville	32610-3003	10/30/2014	11/21/2014	11/21/2019	Issued	25	
	107025	8	UF Health Nursing Home Demolition & Parking Lot Addition	Shands Teaching Hospital & Clinics Inc	1600 SW Archer Rd G 157	Gainesville	32610-0001	4/12/2017	5/18/2017	5/18/2019	Issued	1.91	
	107025	9	Shands Guest House	Shands Teaching Hospital & Clinics Inc	1600 SW Archer Rd G 157	Gainesville	32610-0001	8/23/2017	10/5/2017		Never Issued	5.98	
	107025	10	Shands Guest House	Shands Teaching Hospital & Clinics, Inc.	1600 SW Archer Rd	Gainesville	32610-3003	10/13/2017	11/13/2017	11/13/2022	Issued	2.5	
	109136	1	Implementation of Erosion Control Measures, Site 4 President's House	University of Florida	PO Box 117700 C/O Physical Plant Div/David Obrien	Gainesville	32611-7700	12/27/2006	3/22/2007	3/22/2012	Issued	0.02	Avg. 0 acres
Exfiltration Trench	114852	1	Sabal Palms (formerly known as Royal Palms II)	Heritage Investment Group of Gainesville LLC	321 SW 13th St C/O John Fleming	Gainesville	32601-6329	1/18/2008	4/28/2008	4/28/2013	Issued	0.28	
	117636	1	University of Florida Horse Pasture	University Of Florida Facilities Planning & Construction	PO Box 115050	Gainesville	32611-5050	7/2/2008	3/10/2009	3/10/2014	Issued	4	Avg. 0 acres

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Dry Retention	122991	1	Depot Avenue Segment 2 West	City of Gainesville Public Works Dept	306 NE 6th Ave	Gainesville	32601-5476	11/23/2009	4/29/2010	4/29/2015	Issued	2.32	
Pervious Pavement	122998	1	SW 7th Avenue Surface Parking Project	City of Gainesville	PO Box 490 C/O Community Redevelopment Agency	Gainesville	32602-0490	11/23/2009	3/15/2010	3/15/2015	Issued	0.91	
Exfiltration Trench	123887	1	SW 8th Avenue Roadway Improvements	City of Gainesville	300 E University Ave Ste 240	Gainesville	32601-3462	3/9/2010	4/8/2010	4/8/2015	Issued	0.81	
Exfiltration Vault	124761	1	1st Avenue Apartments	Park Central Holdings of Gainesville LLC	321 SW 13th St	Gainesville	32601-6329	6/10/2010	9/30/2010	9/30/2015	Issued	0.56	
Assume JE reviewed in 2016	129571	1	7th Avenue Apartments	Park Central Holdings of Gainesville, LLC	321 SW 13th St	Gainesville	32601-6329	12/22/2011	1/26/2012	1/26/2017	Issued	0.48	
Assume JE reviewed in 2016	130114	1	McGregor Apartments	Park Central Holdings of Gainesville LLC	321 SW 13th St	Gainesville	32601-6329	3/14/2012	4/13/2012	4/13/2017	Issued	0.67	
	130244	1	Lyons Corner	SHD Development LLC	2759 SW 87th Dr	Gainesville	32608	3/29/2012	4/26/2012	4/26/2017	Issued	0.28	
On the boundary Assume JE reviewed in 2016	132664	1	The Courtyards Redevelopment Project	Gator Housing Group LLC	543 Harbor Blvd Ste 301	Destin	32541-7359	1/3/2013	4/14/2014	4/14/2019	Issued	3.51	
Assume JE reviewed in 2016	135522	1	Avenyl LLC	Avenyl LLC	1114 SW 7th Ave	Gainesville	32601-1301	9/16/2013	9/16/2013	9/16/2112	Issued	363	
Assume JE reviewed in 2016	139076	1	Solaria 2 Apartments	Midtown Properties of Gainesville LLC	321 SW 13th St	Gainesville	32601-6329	8/6/2014	8/6/2014	8/6/2113	Issued	0.46	
	150629	1	Gamma Phi Beta	Gamma Phi Beta Facilities Management Company, LLC	12737 E Euclid Dr	Centennial	80111-6437	7/17/2017	7/21/2017	7/21/2022	Issued	0.85	
	152150	1	StorQuest Self Storage	Scherer Construction	2504 NW 71st Pl	Gainesville	32653-1626	12/21/2017	1/19/2018		Never Issued	2.02	
	152150	2	StorQuest Self Storage	Self	2504 NW 71st Pl	Gainesville	32653-1626	2/13/2018	3/8/2018	3/8/2023	Issued	1.76	
	152150	3	StorQuest Self Storage	Scherer Construction of North Florida, LLC, SQ Gainesville Archer SP, LLC	PO Box 792	Alachua	32616-0792	9/12/2018	10/9/2018	10/9/2023	Issued	2.02	
	152150	3	StorQuest Self Storage	Scherer Construction of North Florida, LLC, SQ Gainesville Archer SP, LLC	2504 NW 71st Pl	Gainesville	32653-1626	9/12/2018	10/9/2018	10/9/2023	Issued	2.02	
10/2	154359	1	Gator Cottages	Haken Gainesville Development LLC	824 SW 9th St	Gainesville	32601-7859	7/9/2018	7/9/2018	7/9/2117	Issued	0.28	
North of University Ave (Institute of Black Culture)	154913	1	UF-619 IBC and IHLC New Buildings	State of FLA IIF, Education-UN	Bldg 700 3280 Radio Rd	Gainesville	32611-7700	8/28/2018	10/1/2018		Never Issued	0.39	
North of University Ave (Institute of Black Culture)	154913	2	UF-619 IBC and IHLC New Buildings	State Of FLA IIF, Education-Un	Bldg 700 3280 Radio Rd	Gainesville	32611-7700	10/22/2018	10/30/2018	10/30/2023	Issued	0.39	
10/2 with retention vault	156730	1	SSF Parking Expansion	Southern Scholarship Foundation	1130 SW 8th Ave	Gainesville	32601-6347	2/12/2019	2/12/2019	2/12/2118	Issued	0.85	
	156732	1	SW 13th Street UF Temp Parking	Monique Heathcock, University of Florida PDC	19 SW 13th St	Gainesville	32601	2/12/2019	2/12/2019	2/12/2118	Issued	1.01	
10/2 with retention vault	160861	1	The Row	TAC Gainesville, LLC	407 SW 13th St	Gainesville	32601	2/11/2020	2/11/2020	2/11/2119	Issued	0.81	
10/2 with retention vault	162312	1	Graduate II	Dean Trustee & Dean	1236 SW 4th Ave	Gainesville	32601	5/4/2020	5/4/2020	5/4/2119	Issued	0.43	
10/2 with retention vault	162387	1	Wood River	Wood River Apartments, LLC	920 SW Depot Ave	Gainesville	32601	5/7/2020	5/7/2020	5/7/2119	Issued	1.22	
10/2 with underground vault	178473	1	Alpha Phi	Florida House Corp of Alpha Phi International Fraternity	505 SW 10th St	Gainesville	32601-6342	12/1/2021	12/1/2021	12/1/2120	Issued	0.69	