



MANATEE COUNTY

June 4, 2012

All Interested Bidders:

SUBJECT: Invitation for Bid #12-1310-OV
SWWRF Lake Filtration System and North Pond Improvements
Bradenton, FL, Manatee County Project No.: 6079180

ADDENDUM #3

Bidders are hereby notified that this Addendum shall be acknowledged on page 00300-1 of the Bid Form and made a part of the above named bidding and contract documents. Bids submitted without acknowledgement of the Addendum will be considered incomplete.

The following items are issued to add to, modify, and clarify the bid and contract documents. These items shall have the same force and effect as the original bidding and contract documents, and cost involved shall be included in the bid prices. Bids to be submitted on the specified bid date, shall conform to the additions and revisions listed herein.

Bidders Note:

Bid Opening Date Has Been Revised:

From: June 7, 2012 at 2:00 PM

To: June 20, 2012 at 11:00 AM

The stated deadline of May 11, 2012 to submit all inquiries concerning interpretation, clarification or additional information pertaining to this bid has lapsed. This deadline has been established to maintain fair treatment for all potential bidders, while maintaining the expedited nature of the Economic Stimulus that the contracting of this work may achieve.

Bidders Note:

- (1). Attached Environmental Resources Permit for DEP Project No. 41-0221256-003. (48 Total Pages)
- (2). Attached Domestic Wastewater Treatment Facility Permit, No. FLA012619. (31 Total Pages)

These Permits from the Florida Department of Environmental Protection Agency are made a part of the Bidding / Specification documents for the above referenced project.

Financial Management Department - Purchasing Division
1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205
Phone: 941-749-3055 - Fax: 941-749-3034

LARRY BUSTLE * MICHAEL GALLEN * JOHN R. CHAPPIE * ROBIN DISABATINO * DONNA G. HAYES * CAROL WHITMORE * JOE McCLASH
District 1 District 2 District 3 District 4 District 5 District 6 District 7

June 4, 2012 / Addendum No. 3
Invitation for Bid #12-1310-OV
SWWRF Lake Filtration System and North Pond Improvements
Bradenton, FL, Manatee County Project No.: 6079180
Page 2

Bidders Also Note:

Addendum No. 4 replying to Contractor's Questions and clarifications to the Bid and Specification documents will be forthcoming.

If you have submitted a bid prior to receiving this addendum, you may request in writing that your original, sealed bid be returned to your firm. All sealed bids received will be opened on the date stated.

END OF ADDENDUM #3

Bids will be received at the **Manatee County Purchasing Division, 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205** (note new date and time) until 11:00 A.M. on June 20, 2012.

Sincerely,

A handwritten signature in cursive script, appearing to read "Melissa M. Wendel", followed by a horizontal line and the word "for" written in a smaller, simpler script.

Melissa M. Wendel, CPPO, Purchasing Official
Manatee County Purchasing Division

/OV (79 Total Pages Attached)



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

APR - 9 2012

ENVIRONMENTAL RESOURCES PERMIT FOR DEP PROJECT 41-0221256-003

Manatee County
c/o Mr. Daniel T. Gray, Director
Manatee County Utilities Department
4410 66th Street
Bradenton, FL 34210

File No.: 41-0221256-003

Dear Mr. Gray:

Enclosed is the Environmental Resource Permit, DEP Project No. 41-0221256-003, issued pursuant to Part IV of Chapter 373, Florida Statutes, and Title 62, Florida Administrative Code.

Appeal rights for you and for any affected third party are described in the text of the permit along with conditions that must be met when authorized activities are undertaken.

You, as the applicant, are responsible for all aspects of permit compliance. You should therefore review this permit document carefully to ensure compliance with the general and specific conditions contained herein. Please be aware of permit specific condition numbers 2 and 3, which respectively state that:

- The erosion control methods depicted in the attached permit drawings shall be in place prior to construction.
- A dewatering plan must be approved prior to beginning the work authorized by the permit.

If you have any questions about this document, please contact me at (813) 632-7600, ext. 470.

Thank you for your participation in the permit process and in managing the natural resources of the State of Florida.

Sincerely yours,

A handwritten signature in cursive that reads 'Dennis Pierson'.

Dennis Pierson,
Engineering Specialist,
Submerged Lands and Environmental
Resource Management

Enc: Environmental Resource Permit with attachments (46 pages).



**Florida Department of
Environmental Protection**

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

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Permittee/Authorized Entity:

Manatee County
c/o Mr. Daniel T. Gray, Director
Manatee County Utilities Department
4410 66th Street
Bradenton, FL 34210

**Manatee County South West Water Reclamation Facility
Lake Filtration System & North Pond Improvements
Manatee County**

Environmental Resource Permit

**U.S. Army Corps of Engineers Authorization –
Separate Corps Authorization Required**

Permit No.: 41-0221256-003

Permit Issuance Date: APR - 9, 2012

Permit Construction Phase Expiration Date: APR - 9, 2017



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

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Environmental Resource Permit

Permittee: Manatee County Utilities Department

Permit No: 41-0221256-003

Permit Issuance Date: APR - 9, 2012

Permit Construction Phase Expiration Date: APR - 9, 2017

AUTHORIZATIONS

Project Description

The permittee is authorized to construct a surface water management system (SWMS) with a dry retention pond to provide ½-inch of water quality treatment and discharge rate attenuation for the stormwater runoff from 1.17-acre drainage basin with 0.08 acres of new impervious surface. The 1.17-acre drainage basin is shown on Figure 6 of the attached permit drawings. The project is located at the existing 329-acre Manatee County Southwest Water Reclamation Facility (SWWRF). Construction within the 1.17-acre drainage basin will also include the installation of a stormwater culvert under a pervious stone access road. The SWMS will discharge north through a skimmer-equipped control structure to an existing roadside ditch along an SWWRF access road and conveyed off-site to the Cedar Hammock Drainage Canal.

Other facility modifications will be made outside of the 1.17-acre drainage basin for the retention pond, and within a 50.95-acre over-all project area at the SWWRF that is shown on Figure 1 of the attached permit drawings. The other modifications include new access roads and entry ramps, the removal and replacement of existing paved surfaces, and a new 1,110 square foot paved maintenance access area from which stormwater runoff will sheet flow to a drainage swale with a check dam. This swale will retain ½-inch of water quality treatment volume and discharge north to the SWWRF access road ditch. Flood plain compensation is not required. Authorized activities are depicted on the attached exhibits.

The project described above may only be conducted accordance with the terms, conditions and attachments contained in this permit. The issuance of this permit does not infer, nor guarantee, nor imply that future permits or modifications will be granted by the Department.

State-owned Submerged Lands Authorization

As staff to the Board of Trustees, the Department has reviewed the activity described above and has determined that the activity is not located on submerged lands owned by the State of Florida. Therefore, your project is not subject to the requirements of Chapter 253, Florida Statutes (F.S.).

Federal Authorization

A copy of this permit has been sent to the U.S. Army Corps of Engineers (USACE). The USACE may require a separate permit. Failure to obtain any required federal permits prior to construction could subject you to enforcement action by that agency.

Coastal Zone Management

This permit also constitutes a finding of consistency with Florida's Coastal Zone Management Program, as required by Section 307 of the Coastal Management Act.

Water Quality Certification

This permit constitutes certification of compliance with state water quality standards under Section 401 of the Clean Water Act, 33 U.S.C. 1341.

Other Authorizations

You are advised that authorizations or permits for this project may be required by other federal, state or local entities, including the municipality/county in which the project is located. Please be sure to contact the local county building and environmental department to obtain these required authorizations. This permit does not relieve you from the requirements to obtain all other required permits or authorizations.

PROJECT LOCATION

The activities authorized by this permit are located at the Manatee County Southwest Water Reclamation Facility, 5101 65th Street West, Bradenton, FL 34210, Section 8, Township 35 South, Range 17 East, Manatee County.

PERMIT CONDITIONS

The activities described herein must be conducted in accordance with:

- **The Specific Conditions**
- **The General Conditions**
- **The limits, conditions, and locations of work shown in the attached drawings**
- **The term limits of this authorization**

You are advised to read and understand these conditions and drawings prior to commencing the authorized activities, and to ensure that the work is conducted in conformance with all the terms, conditions, and drawings. If you are utilizing a contractor, the contractor should also read and understand these conditions and drawings prior to commencing the authorized activities. Failure to comply with these conditions shall constitute grounds for revocation of the permit and appropriate enforcement action by the Department.

Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and this permit/certification/authorization as specifically described herein.

SPECIFIC CONDITIONS

1. Submittals required herein (e.g., progress reports, as-built drawings, etc.) shall include the permittee's name and permit number 41-0221256-003 and shall be directed by e-mail to SW_ERP@dep.state.fl.us with a subject line of compliance permit number 41-0221256-003, or by mail to:

Department of Environmental Protection
Southwest District
Submerged Lands and Environmental Resource Program
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

PRIOR TO CONSTRUCTION CONDITIONS (The permittee shall comply with the following conditions prior to commencement of any construction activities.)

2. Best management practices for erosion control shall be implemented prior to construction commencement and shall be maintained at all times during construction to prevent siltation and turbid discharges in excess of State water quality standards (>29 NTU's above background, pursuant to Rule 62-302, F.A.C.). Erosion control methods shall be implemented as depicted in Sheets C-0.2 and C-0.8 of the attached permit drawings.
3. The permittee shall submit a dewatering plan for Department approval prior to beginning the work authorized by this permit and in accordance with the dewatering notes provided on Drawing C-0.2 of the attached permit drawings. Proposed dewatering activities may require modification of the environmental resource permit.

CONSTRUCTION CONDITIONS

4. Wetland areas or water bodies that are outside the specific limits of construction authorized by this permit must be protected from erosion, sedimentation, siltation, scouring, excess turbidity, and/or dewatering. There shall be no discharge in violation of the water quality standards in Chapter 62-302, F.A.C. Turbidity/erosion controls shall be installed prior to clearing, excavation or placement of fill material shall be maintained until construction is completed, disturbed areas are stabilized, and turbidity levels have fallen to less than 29 NTU's above background. The turbidity and erosion control devices shall be removed within 14 days once these conditions are met.
5. Areas of exposed soils shall be isolated from wetlands or other surface waters to prevent erosion and deposition of these soils into wetlands or other surface waters during construction and operation of permitted activities.
6. Side slopes, exposed and/or disturbed land surfaces shall be stabilized with sod, seed or mulch within 48 hours following completion of final grades at the project site to prevent erosion, sedimentation, and siltation or scouring.
7. The authorized surface water management system shall be completed prior to or simultaneously with associated upland development. Occupation of the site shall be in accordance with General Condition 12.

CONSTRUCTION COMPLETION CONDITIONS (The permittee shall comply with the following conditions prior to the transfer to operation phase of the facility. All documentation required below shall be included with the permittee's request to transfer the project to the operation phase [Form No. 62-343.900(7), F.A.C.])

8. The permittee shall submit two copies of signed, dated and sealed as-built drawings to the Department for review and approval within 30 days of completion of construction. The as-built drawings shall be based on the Department permitted construction drawings, which should be revised to reflect changes made during construction. Both the original design and constructed elevation must be clearly shown. The plans must be clearly labeled as "as-built" or "record" drawings. Surveyed dimensions and elevations required shall be verified and signed, dated and sealed by a Florida registered surveyor or engineer. *As-builts shall be submitted to the Department regardless of whether or not deviations are present. In addition to the "As-built Certification" form; the permittee shall submit the "Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase" form as required in General Condition #13.*

The following information shall be verified on the as-built drawings from the engineering drawings signed and sealed by Mr. Travis Terpstra, P.E., #71412:

Manatee County Utilities Department – SWWRF Improvements

File No.: 41-0221256-003

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<u>Plan View/Cross-Section</u>	<u>Drawing Number</u>	<u>Date</u>
Yard Piping No. 3	C-0.16	November 03, 2011
Yard Piping No. 5	C-0.18	November 03, 2011
Grading Plans Nos. 1 - 7	C-1.1 – C-1.7 (7 pages)	November 03, 2011
Grading Plan Nos. 8 – 10	C-1.8 – C-1.10 (3 pages)	February 1, 2012
Typical Pond Sections No. 2	C-1.12	November 03, 2011
Pond Sections Nos. 1 - 7	C-1.13 – C-1.19 (7 pages)	November 03, 2011

MONITORING/REPORTING REQUIREMENTS/ OPERATING CONDITIONS (The permittee shall comply with the following operation conditions for the life of the facility.)

9. The retention pond and retention swale are intended to become dry within 72 hours after a rainfall event. A system that is regularly wet shall not be considered in compliance with this permit and possible modifications to the system may be required.
10. The maintenance of the SWMS shall be in accordance with the attached "Operation & Maintenance Plan". It is the responsibility of the permittee to ensure that that the surface water management system is functioning as designed.
11. Beginning 24 months after operation is authorized and every 24 months thereafter, the Operation and Maintenance Entity shall inspect the SWMS and submit inspection reports in the form required by the Department (see attached FDEP Inspection Certification Form, 62-343.900(6), F.A.C.)

GENERAL CONDITIONS

1. 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.
2. 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 Department staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.
3. Activities approved by this permit shall be conducted in a manner that does not cause violations of state water quality standards. The permittee shall implement best management practices for erosion and pollution control to prevent violation of state water quality standards. Temporary erosion control shall be implemented prior to and during construction and permanent control measures shall be completed within seven

days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

4. Water quality data for the water discharged from the permittee's property or into the surface waters of the state shall be submitted to the Department as required by the permit. Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency. If water quality data are required, the permittee shall provide data as required on volumes of water discharged, including total volume discharged during the days of sampling and total monthly volume discharged from the property or into surface waters of the state.
5. Department staff must be notified in advance of any proposed construction dewatering. If the dewatering activity is likely to result in offsite discharge or sediment transport into wetlands or surface waters, a written dewatering plan must either have been submitted and approved with the permit application or submitted to the Department as a permit modification prior to the dewatering event. The permittee is advised that the rules of the Southwest Florida Water Management District state that a water use permit may be required prior to any use exceeding the thresholds in Chapter 40D-2, F.A.C.
6. 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 seven days after the construction activity in that portion of the site has temporarily or permanently ceased.
7. Off site discharges during construction and development shall be made only through the facilities authorized by this permit. Water discharged from the project shall be through structures having a mechanism suitable for regulating upstream stages. Stages may be subject to operation schedules satisfactory to the Department.
8. The permittee shall complete construction of all aspects of the SWMS, including wetland compensation (grading mulching, planting), water quality treatment features, and discharge control facilities prior to beneficial occupancy or use of the development being served by this system.

9. The following shall be properly abandoned and/or removed in accordance with the applicable regulations:
 - a. Any existing wells in the path of construction shall be properly plugged and abandoned by a licensed well contractor.
 - b. Any existing septic tanks on site shall be abandoned at the beginning of construction.
 - c. Any existing fuel storage tanks and fuel pumps shall be removed at the beginning of construction.
10. All surface water management systems shall be operated to conserve water in order to maintain environmental quality and resource protection; to increase the efficiency of transport, application and use; to decrease waste; to minimize unnatural runoff from the property and to minimize dewatering of offsite property.
11. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the Department a written notification of commencement using an "Environmental Resource Permit Construction Commencement" notice (Form No. 62-343.900(3), F.A.C.) indicating the actual start date and the expected completion date.
12. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the occupation of the site or operation of site infrastructure located within the area served by that 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 a local government or other responsible entity.
13. Within 30 days after completion of construction of the permitted activity, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, utilizing the required "Environmental Resource Permit As-Built Certification by a Registered Professional" (Form No. 62-343.900(5), F.A.C.), and "Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase" (Form 62-343-900(7), F.A.C.). Additionally, if deviations from the approved drawings are discovered during the certification process, the certification must be accompanied by a copy of the approved permit drawings with deviations noted.

14. This permit is valid only for the specific processes, operations and designs indicated on the approved drawings or exhibits submitted in support of the permit application. Any substantial deviation from the approved drawings, exhibits, specifications or permit conditions, including construction within the total land area but outside the approved project area(s), may constitute grounds for revocation or enforcement action by the Department, unless a modification has been applied for and approved. Examples of substantial deviations include excavation of ponds, ditches or sump areas deeper than shown on the approved plans.
15. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the conditions herein, the Department determines the system to be in compliance with the permitted plans, and the entity approved by the Department accepts responsibility for operation and maintenance of the system. The permit may not be transferred to the operation and maintenance entity approved by the Department until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the Department, the permittee shall request transfer of the permit to the responsible operation and maintenance entity approved by the Department, if different from the permittee. Until a transfer is approved by the Department pursuant to Section 62-343.110(1)(d), F.A.C., the permittee shall be liable for compliance with the terms of the permit.
16. Should any other regulatory agency require changes to the permitted system, the Department shall be notified of the changes prior to implementation so that a determination can be made whether a permit modification is required.
17. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations including a determination of the proposed activities' compliance with the applicable comprehensive plan prior to the start of any activity approved by this permit.
18. 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 40D-4 or Chapter 40D-40, F.A.C.
19. The permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the

permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

20. The permittee shall hold and save the Department 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.
21. 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 binding unless a specific condition of this permit or a formal determination under section 373.421(2), F.S., provides otherwise.
22. The permittee shall notify the Department 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 section 62-343.130, 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.
23. Upon reasonable notice to the permittee, Department authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with Department rules, regulations and conditions of the permits.
24. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the Department and the Florida Department of State, Division of Historical Resources.
25. The permittee shall immediately notify the Department in writing of any previously submitted information that is later discovered to be inaccurate.

NOTICE OF RIGHTS

This permit is hereby final unless a sufficient petition for an administrative hearing is timely filed under Sections 120.569 and 120.57 of the Florida Statutes as provided below. The procedures for petitioning for a hearing are set forth below.

Mediation is not available.

A person whose substantial interests are affected by the Department's action may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received by the clerk) in the

Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Because the administrative hearing process is designed to re-determine final agency action on the application, the filing of a petition for an administrative hearing may result in a modification of the permit or even a denial of the application. If a sufficient petition for an administrative hearing or request for an extension of time to file a petition is timely filed, this permit automatically becomes only proposed agency action on the application, subject to the result of the administrative review process. Accordingly, the applicant is advised not to commence construction or other activities under this permit until the deadlines noted below for filing a petition for an administrative hearing, or request for an extension of time has expired.

Under rule 62-110.106(4), F.A.C., a person whose substantial interests are affected by the Department's action may also request an extension of time to file a petition for an administrative hearing. The Department may, for good cause shown, grant the request for an extension of time. Requests for extension of time must be filed with the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, before the applicable deadline. A timely request for extension of time shall toll the running of the time period for filing a petition until the request is acted upon. If a request is filed late, the Department may still grant it upon a motion by the requesting party showing that the failure to file a request for an extension of time before the deadline was the result of excusable neglect.

In the event that a timely and sufficient petition for an administrative hearing is filed, other persons whose substantial interests will be affected by the outcome of the administrative process have the right to petition to intervene in the proceeding. Any intervention will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

In accordance with Rule 62-110.106(3) F.A.C., petitions for an administrative hearing by the applicant must be filed within 21 days of receipt of this written notice. Petitions filed by any persons other than the applicant, and other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within 21 days of publication of the notice or within 21 days of receipt of the written notice, whichever occurs first.

Under section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within 21 days of receipt of such notice, regardless of the date of publication.

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition for an administrative hearing

within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests are or will be affected by the agency determination;
- (c) A statement of when and how the petitioner received notice of the agency decision;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, including the specific facts that the petitioner contends warrant reversal or modification of the agency's proposed action;
- (f) A statement of the specific rules or statutes that the petitioner contends require reversal or modification of the agency's proposed action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C. Under Sections 120.569(2)(c) and (d), F.S., a petition for administrative hearing must be dismissed by the agency if the petition does not substantially comply with the above requirements or is untimely filed.

This action is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition this order will not be effective until further order of the Department.

This permit constitutes an order of the Department. The applicant has the right to seek judicial review of the order under Section 120.68, F.S., by the filing of a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000; 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 when the final order is filed with the Clerk of the Department. The applicant, or any party within the meaning of Section 373.114(1)(a), F.S., may also seek appellate review of this order before the Land and Water Adjudicatory Commission under Section 373.114(1), F.S. Requests for review before the Land and Water Adjudicatory Commission must be filed with the Secretary of the Commission and served on the Department within 20 days from the date when the final order is filed with the Clerk of the Department.

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



William L. Vorstadt
Program Administrator
Submerged Lands and Environmental
Resource Program
Southwest District

WLV/drp

Attachments:

Commencement notice /62-343.900(3) (1 page)
As-built certification/62-343.900(5) (1 page)
Inspection certification/62-343.900(6) (1 page)
Transfer construction to operation phase/62-343.900(7) (1 page)
Application for transfer of an ERP /62-343.900(8) (1 page)
Project Location Map (1 page)
Permit Drawings (25 pages)
Operation and Maintenance Instructions (2 pages)

Copies furnished to:

Manatee County, c/o Mr. Daniel T. Gray, Director, Manatee County Utilities Department, 4410
66th Street, Bradenton, FL 34210
McKim & Creed, P.A., c/o Mr. Travis Terpstra, P.E., Project Engineer, 160 Cypress Point
Parkway, Suite C214, Palm Coast, FL 32164
Florida Department of Environmental Protection, Southwest District, c/o Mr. Jeff Hilton, P.E.,
Manager, Domestic Wastewater Program, 13051 North Telecom Parkway, Temple Terrace, FL
33637-0926
U.S. Army Corps of Engineers
File

Manatee County Utilities Department – SWWRF Improvements

File No.: 41-0221256-003

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CERTIFICATE OF SERVICE

The undersigned hereby certifies that this permit, including all copies, was mailed before the close of business on 4/9/12, to the above listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under 120.52(7) of the Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

ERobinson 4/9/12
Clerk Date

Form #62-343,900(3) FAC
Form Title: Construction Commencement Notice
Effective Date: October 3, 1995

ENVIRONMENTAL RESOURCE PERMIT Construction Commencement Notice

Project:

Phase:

I hereby notify the Department of Environmental Protection that the construction of the surface water management system authorized by Environmental Resource Permit Number _____ has commenced / is expected to commence on _____ and will require a duration of approximately _____ months _____ weeks _____ days to complete. It is understood that should the construction term extend beyond one year, I am obligated to submit the Annual Status Report for surface Water Management System Construction.

PLEASE NOTE: If the actual construction commencement date is not known, Department staff should be so notified in writing in order to satisfy permit conditions.

Permittee or Authorized Agent

Title and Company

Date

Phone

Address

Form #62-343.900(5), F.A.C.
Form Title: As-Built Certification by a
Registered Professional
Effective Date: October 3, 1995

**ENVIRONMENTAL RESOURCE PERMIT
AS-BUILT CERTIFICATION BY A REGISTERED PROFESSIONAL**

Permit Number:

Project Name:

I hereby certify that all components of this surface water management system have been built substantially in accordance with the approved plans and specifications and are ready for inspection. Any substantial deviations (noted below) from the approved plans and specifications will not prevent the system from functioning as designed when properly maintained and operated. These determinations are based upon on-site observation of the system conducted by me or by my designee under my direct supervision and/or my review of as-built plans certified by a registered professional or Land Surveyor licensed in the State of Florida.

Name (please print)

Signature of Professional

Company Name

Florida Registration Number

Company Address

Date

City, State, Zip Code

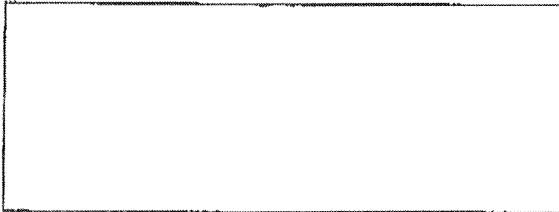
Telephone Number

(Affix Seal)

Substantial deviations from the approved plans and specifications:

(Note: attach two copies of as-built plans when there are substantial deviations)

Within 30 days of completion of the system, submit two copies of the form to:



Form #62-343.900(6) FAC
Form Title: Inspection Certification
Effective Date: October 3, 1995

ENVIRONMENTAL RESOURCE PERMIT INSPECTION CERTIFICATION

Permit Number:

Project Number:

Inspection Date(s):

Inspection results: (check one)

I hereby certify that I or my designee under my direct supervision have inspected the system at the above referenced project and that the system appears to be functioning in accordance with the requirements of the permit and Chapter 373 F.S. (as applicable).

The following necessary maintenance was conducted:

I hereby certify that I or my designee under my direct supervision has inspected the system at the above referenced project and that the system does not appear to be functioning in accordance with the requirements of the permit and Chapter 373 F.S. (as applicable). I have informed the operation and maintenance entity of the following: (a) that the system does not appear to be functioning properly, (b) that maintenance is required to bring the system into compliance, and (c) if maintenance measures are not adequate to bring the system into compliance, the system may have to be replaced or an alternative design constructed subsequent to Department approval.

Name

Signature of Professional Engineer

Company Name

Florida Registration Number

Company Address

Date

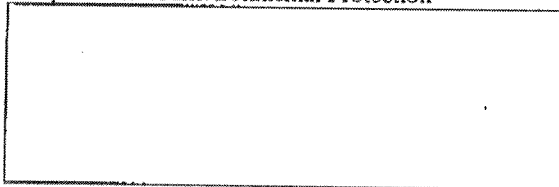
City, State, Zip Code

Telephone Number

(affix seal)

Within 30 days of completion of the inspection, submit two copies of the form to the following Department Office:

Department of Environmental Protection



Form #: 62-353.900(7)F.A.C. Form Title: Request for Transfer to Operation Phase Effective Date: September 23, 1995

Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase

(To be completed and submitted by the operating entity)

Florida Department of Environmental Protection

It is requested that Department Permit Number _____ authorizing the construction and operation of a surface water management system for the below mention project be transferred from the construction phase permittee to the operation phase operating entity.

Project:

From: Name:
 Address:
 City: State: Zip:

To: Name:
 Address:
 City: State: Zip:

The surface water management facilities are hereby accepted for operation and maintenance in accordance with the engineers certification and as outlined in the restrictive covenants and articles of incorporation for the operating entity. Enclosed is a copy of the document transferring title of the operating entity for the common areas on which the surface water management system is located. Note that if the operating entity has not been previously approved, the applicant should contact the Department staff prior to filing for a permit transfer.

The undersigned hereby agrees that all terms and conditions of the permit and subsequent modifications, if any, have been reviewed, are understood and are hereby accepted. Any proposed modifications shall be applied for and obtained prior to such modification.

Operating Entity:

 Name Title:

Telephone:

Enclosure

- copy of recorded transfer of title surface water management system
- Coy of plat(s)
- Copy of recorded restrictive covenants, articles of incorporation, and certificate of incorporation.



APPLICATION FOR TRANSFER OF ENVIRONMENTAL RESOURCE PERMIT AND NOTIFICATION OF SALE OF A FACILITY OR SURFACE WATER MANAGEMENT SYSTEM

Permit No. _____ Date Issued _____ Date Expires _____

FROM (Name of Current Permit Holder) _____

Mailing Address _____

City _____ State _____ Zip Code _____

Telephone: (____) _____

Identification or Name of Facility/Surface Water Management System: _____

Phase of Facility/Surface Water Management System (if applicable): _____

The undersigned hereby notifies the Department of the sale or legal transfer of this facility, or surface water management system, and further agrees to assign all rights and obligations as permittee to the applicant in the event the Department agrees to the transfer of permit.

Signature of the current permittee: _____

Title (if any): _____ Date: _____

TO (Name of Proposed Permit Transferee): _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone: (____) _____

The undersigned hereby notifies the Department of having acquired the title to this facility, or surface-water management system. The undersigned also states he or she has examined the application and documents submitted by the current permittee, the basis of which the permit was issued by the Department, and states they accurately and completely describe the permitted activity or project. The undersigned further attests to being familiar with the permit, agrees to comply with its terms and with its conditions, and agrees to assume the rights and liabilities contained in the permit. The undersigned also agrees to promptly notify the Department of any future changes in ownership of, or responsibility for, the permitted activity or project.

Signature of the applicant (Transferee): _____

Title (if any): _____ Date: _____

Project Engineer Name (if applicable) _____

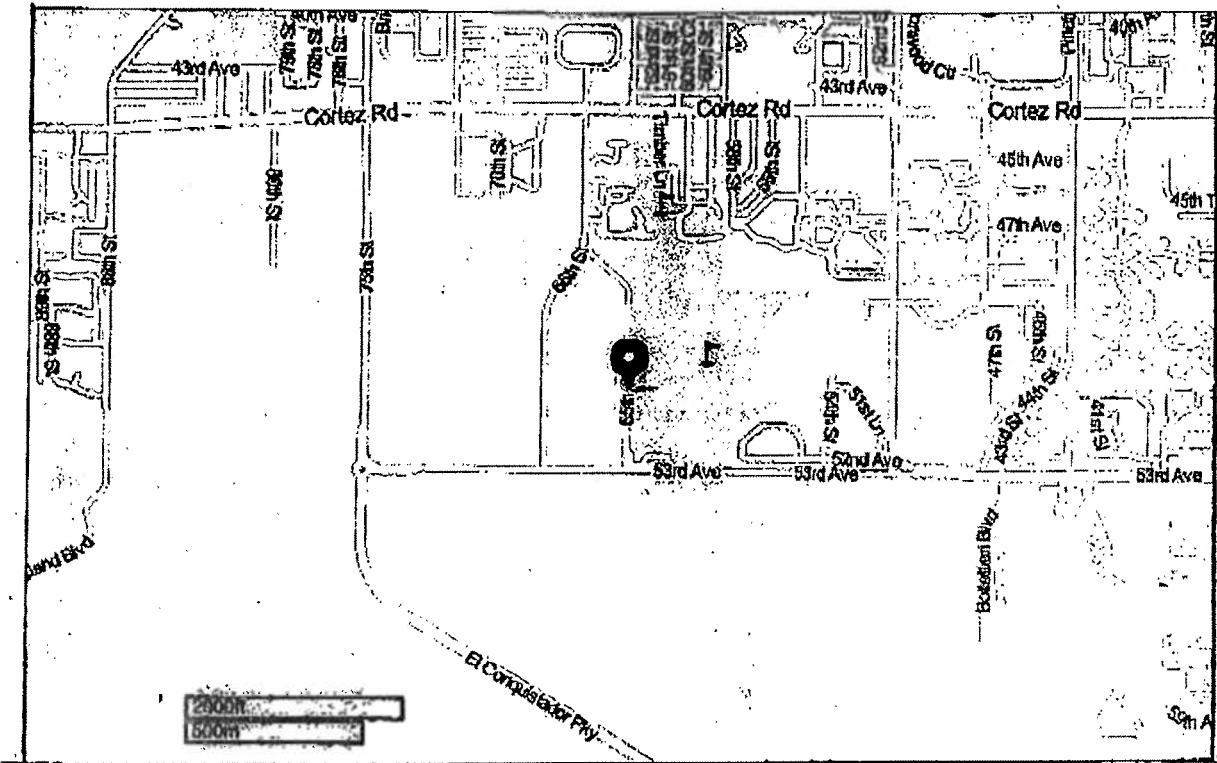
Mailing Address: _____

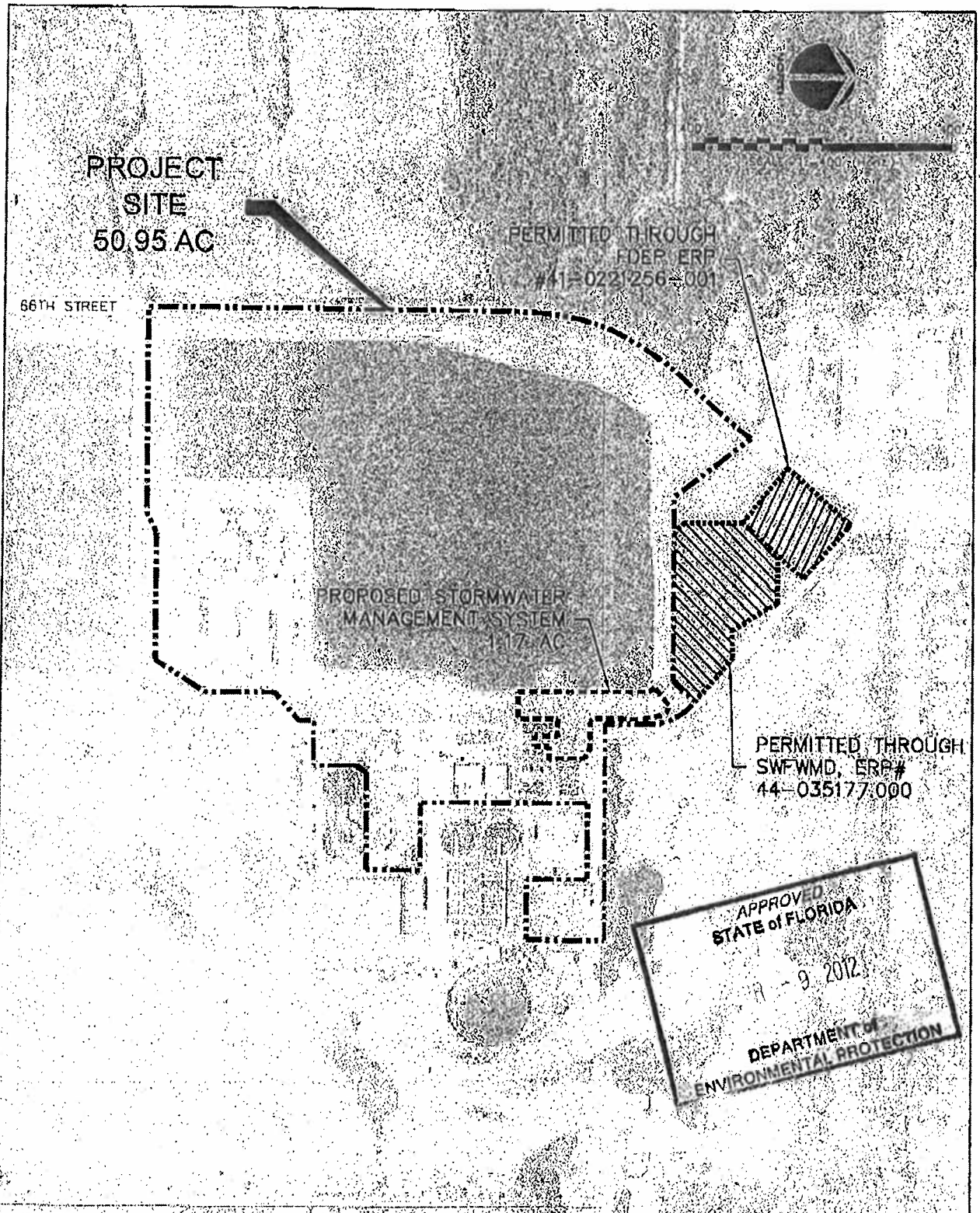
Telephone: (____) _____

Project Location Map

Project Name: Manatee Co. SWWRF Lake Filtration System & North Pond Improvements
File Number: 41-0221256-003

The project is located at the Manatee County Southwest Water Reclamation Facility, 5101 65th Street West, Bradenton, FL 34210, Section 8, Township 35 South, Range 17 East, Manatee County.





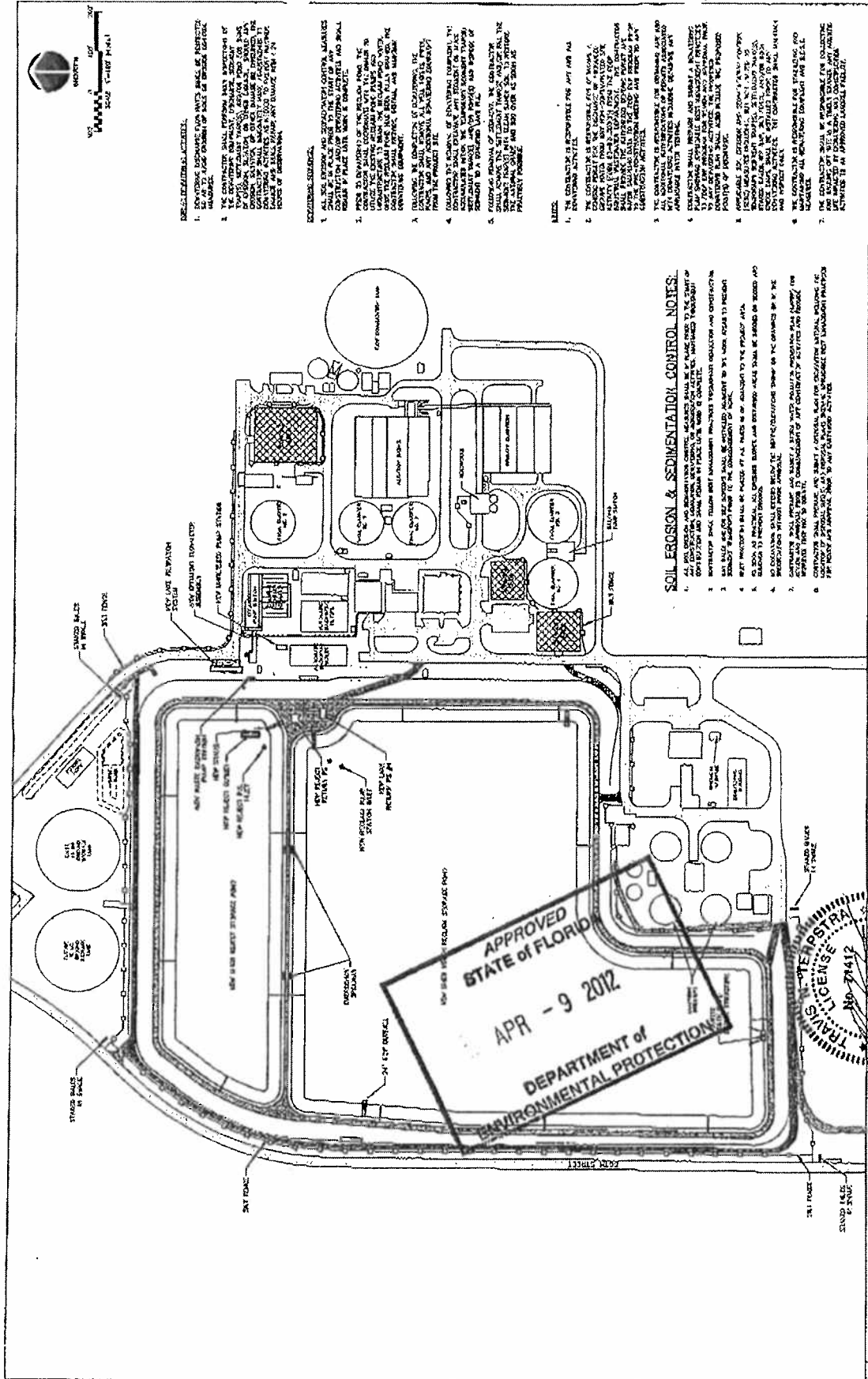
S:\1024\0147\80-Drawings\ERP\Figure-1_Project Site Map.dwg, 11/3/2011 11:13:56 AM, Brian Naught



MANATEE COUNTY

SWRWF LAKE FILTRATION & N. IMPROVEMENTS ERP

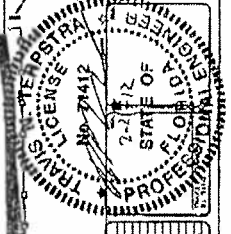
FIGURE 1 - PROJECT SITE AERIAL



- REGULATORY AGENCIES:**
1. SWARTH LAKE FILTRATION AND NORTH POND IMPROVEMENTS PROJECT SHALL BE SUBJECT TO ALL APPLICABLE REGULATORY AGENCIES AND SHALL BE SUBJECT TO ALL APPLICABLE REGULATORY AGENCIES AND SHALL BE SUBJECT TO ALL APPLICABLE REGULATORY AGENCIES.
 2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES.
 3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES.
 4. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES.
 5. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES.
- GENERAL NOTES:**
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FLORIDA BUILDING CODE AND ALL OTHER APPLICABLE REGULATORY AGENCIES.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES.

- SOIL EROSION & SEDIMENTATION CONTROL NOTES:**
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FLORIDA BUILDING CODE AND ALL OTHER APPLICABLE REGULATORY AGENCIES.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES.
 4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE REGULATORY AGENCIES.

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STATE OF FLORIDA
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DEPARTMENT of
ENVIRONMENTAL PROTECTION



PROJECT NO.	DATE	SCALE

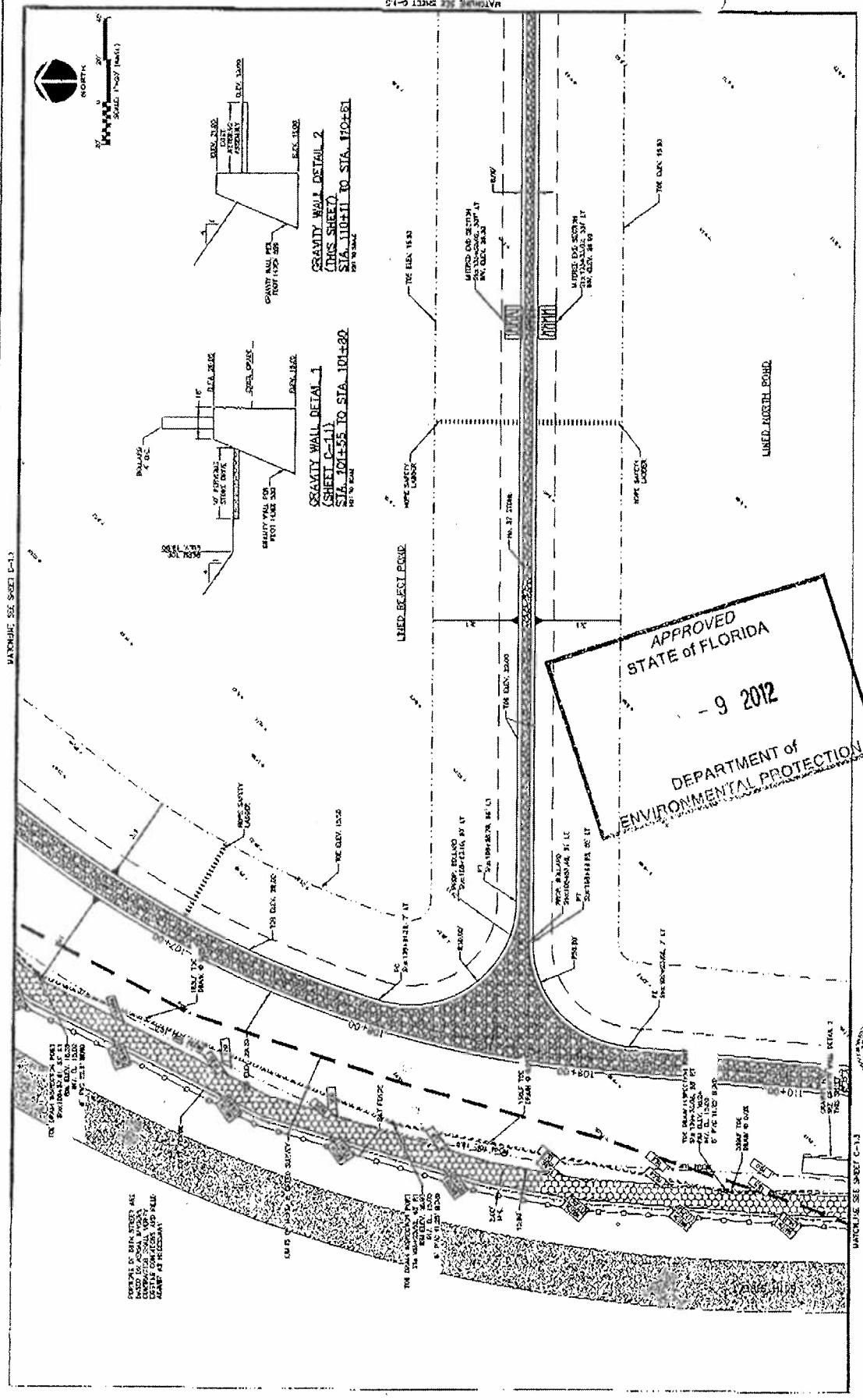
SWARTH LAKE FILTRATION AND NORTH POND IMPROVEMENTS
PROPOSED SITE PLAN AND SOIL EROSION AND SEDIMENTATION CONTROL

MANATEE COUNTY, FLORIDA

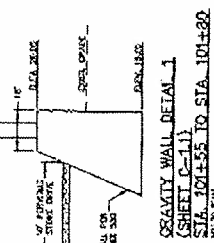
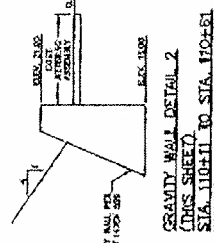
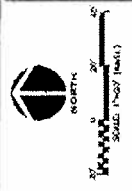


MCKIM & CREED
1200 W. MANATEE AVENUE
TAMPA, FLORIDA 33604
PHONE: (813) 281-1111
FAX: (813) 281-1112
WWW.MCKIMANDCREED.COM

DATE: 04/17/12
DRAWN BY: [Name]
CHECKED BY: [Name]



DATE: 04-17-12

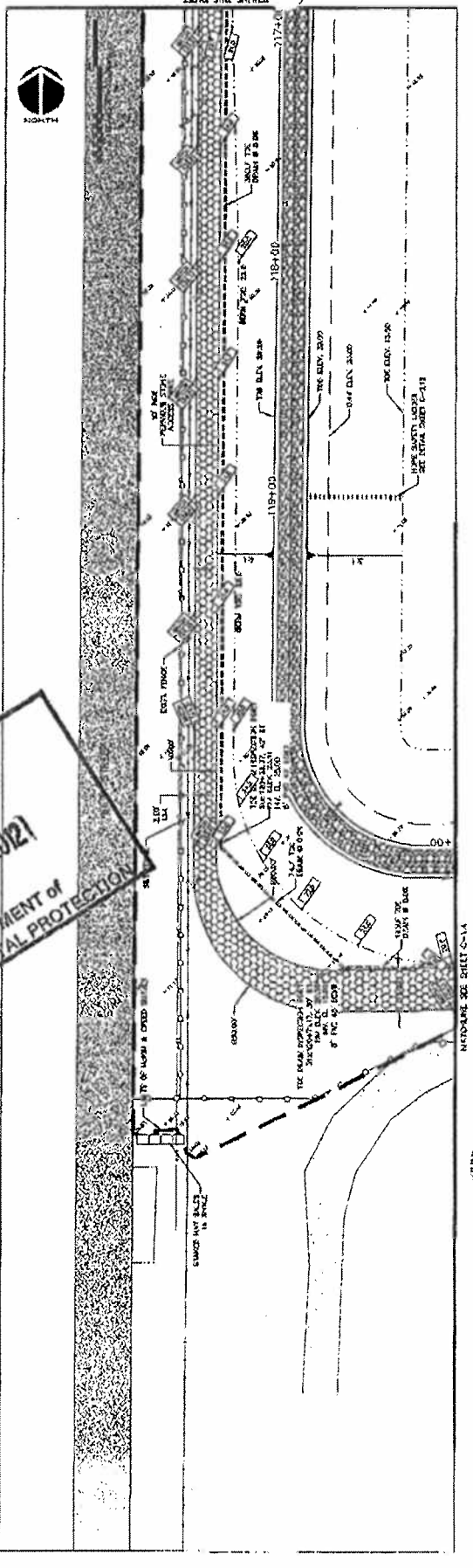
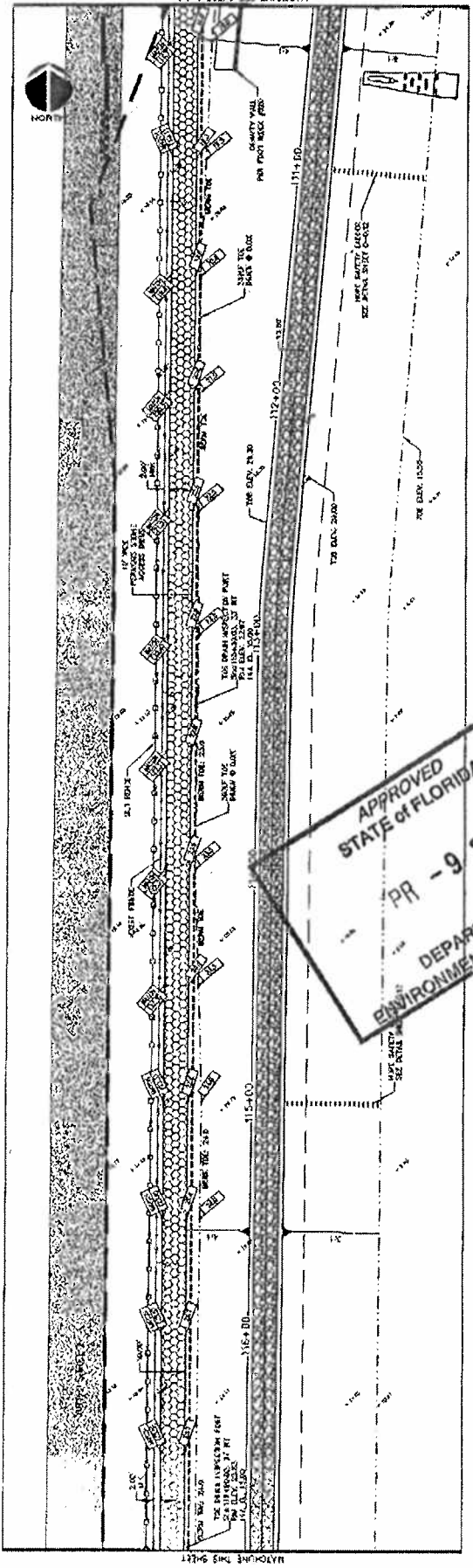


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STATE OF FLORIDA

- 9 2012

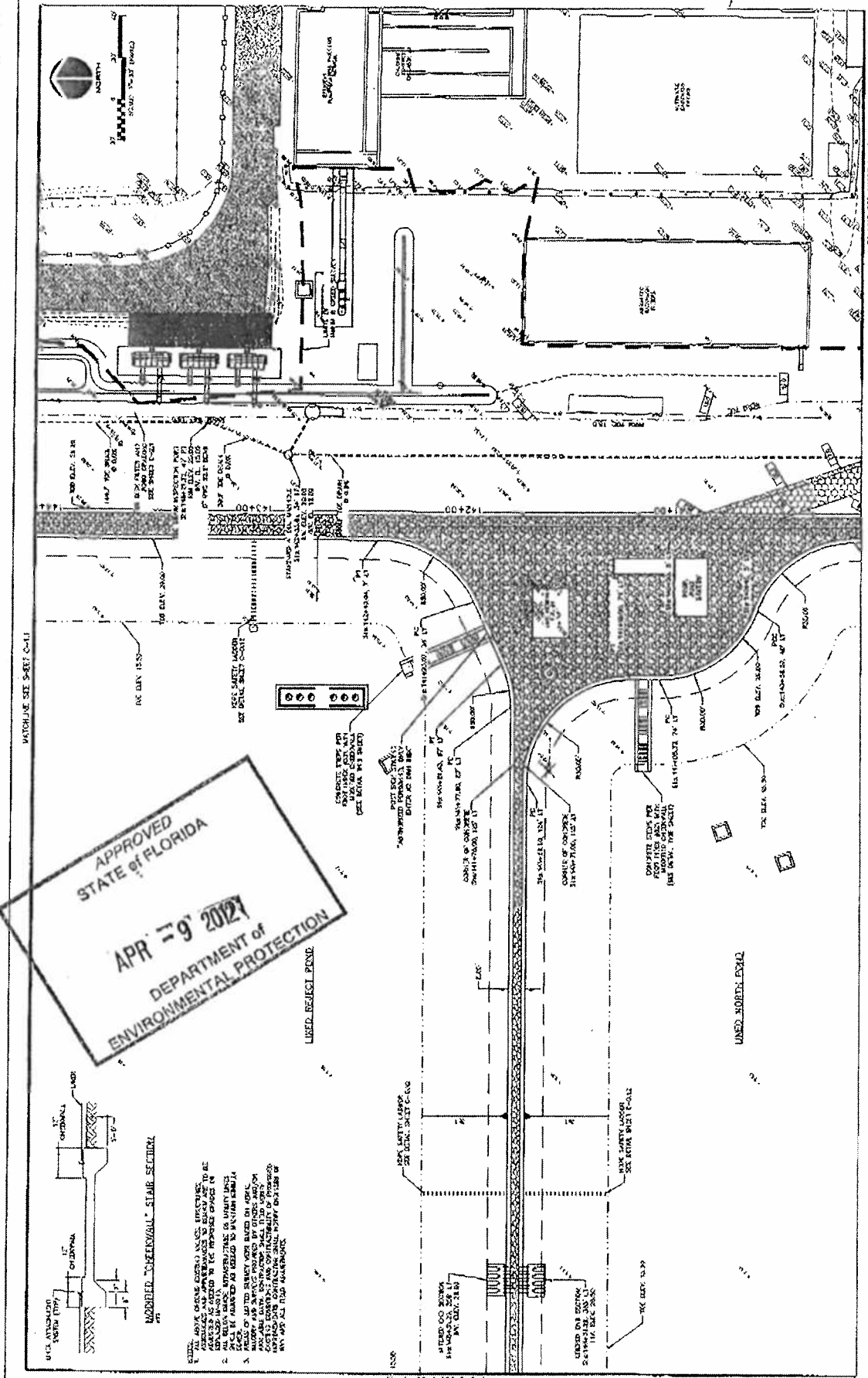
DEPARTMENT of
ENVIRONMENTAL PROTECTION

DATE: 04-17-12	PROJECT: SWARF LAKE FILTRATION AND NORTH POND IMPROVEMENTS	SHEET: C-12	DATE SUBMITTED: 04/17/12
DRAWN BY: [blank]	SCALE: 1" = 20'	CHECKED BY: [blank]	PROJECT NO.: [blank]
MANNATEE COUNTY, FLORIDA		GRADING PLAN No. 2	
MCKIM & CREED 1300 N. W. 11th Avenue Fort Lauderdale, FL 33304 Phone: (954) 344-3333 Fax: (954) 344-3333 Website: www.mckimandcreed.com			
DATE: 04-17-12 PROJECT: SWARF LAKE FILTRATION AND NORTH POND IMPROVEMENTS SHEET: C-12 DATE SUBMITTED: 04/17/12			

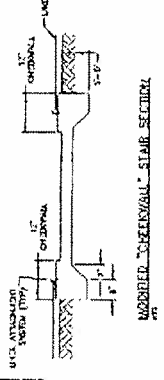


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 PR - 9 2012
 DEPARTMENT OF
 ENVIRONMENTAL PROTECTION

MCKIM & CREED 1255 MARKET AVENUE SUITE 200 TAMPA, FL 33602 (813) 289-3600 WWW.MCKIMCREED.COM		MANATEE COUNTY, FLORIDA 	
SWWRFL LAKE FILTRATION AND NORTH POND IMPROVEMENTS GRADING PLAN No. 3		LOCAL AUTHORITY PROJECT NO. 04-17-12-001 SHEET NO. 001 OF 001 DATE: 04/17/12 DRAWN BY: [Name] CHECKED BY: [Name] APPROVED BY: [Name]	



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 APR - 9 2021
 DEPARTMENT OF
 ENVIRONMENTAL PROTECTION



1. ALL ABOVE GRADE CONCRETE STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PROVISIONS OF THE FLORIDA BUILDING CODE, AS AMENDED, AND THE FLORIDA ELECTRICAL CODE, AS AMENDED, UNLESS OTHERWISE SPECIFIED.

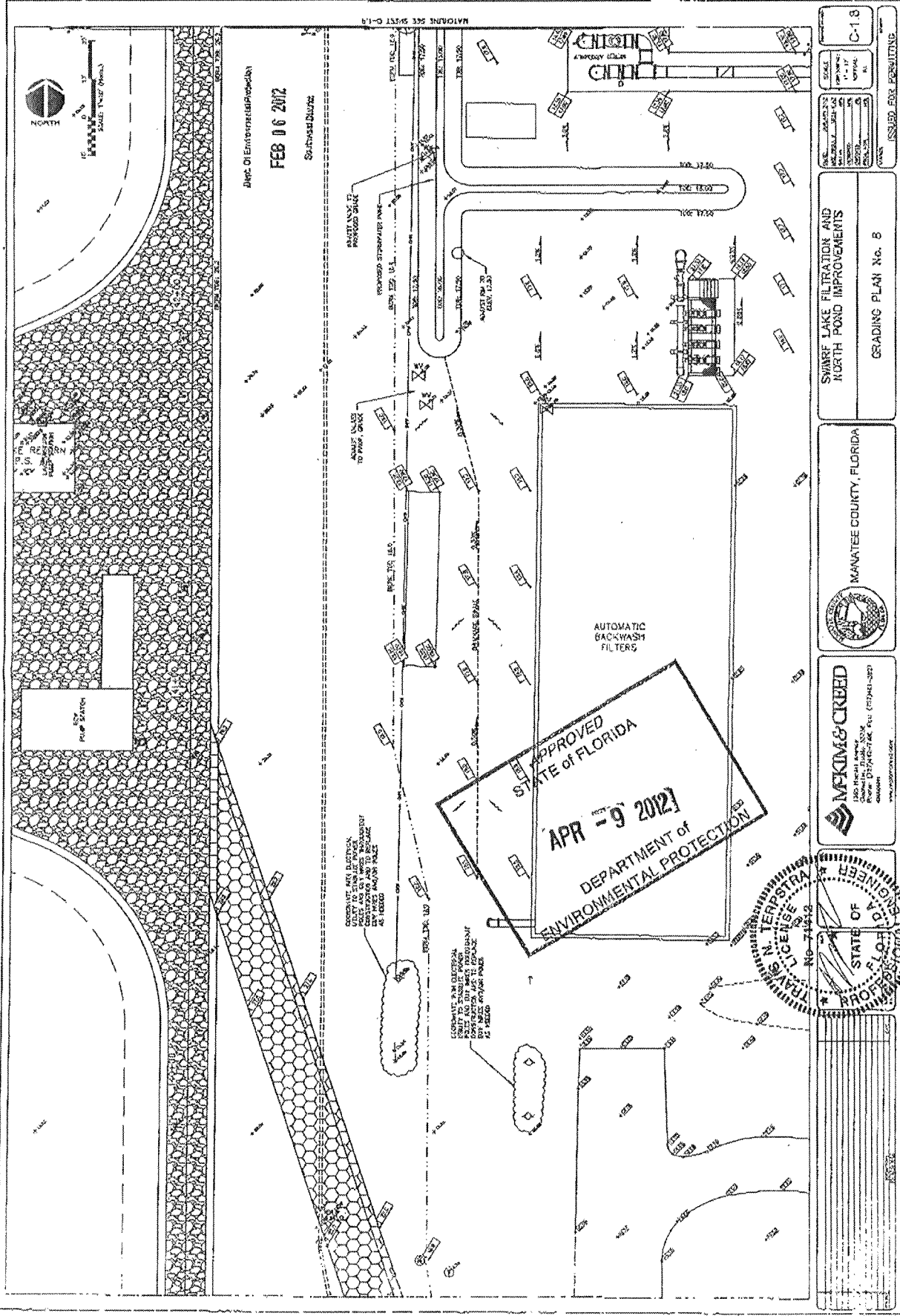
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3. ALL REINFORCING BARS SHALL BE EPOXY COATED UNLESS OTHERWISE SPECIFIED.

4. ALL REINFORCING BARS SHALL BE EPOXY COATED UNLESS OTHERWISE SPECIFIED.

5. ALL REINFORCING BARS SHALL BE EPOXY COATED UNLESS OTHERWISE SPECIFIED.

		100% SUBMITTAL DATE: _____ DRAWN BY: _____ CHECKED BY: _____ PROJECT NO.: _____ SHEET NO.: _____
SAWRFF LAKE FILTRATION AND NORTH POND IMPROVEMENTS		GRADING PLAN No. 7
MANATEE COUNTY, FLORIDA		
MKM & CREED 100 N.W. 10th Avenue, Suite 2000 Clearwater, Florida 34616 Phone: (774) 746-1466 Fax: (774) 746-1467 www.mkmcreed.com		
MATCHLINE SEE SHEET C-14 MATCHLINE SEE SHEET C-16		

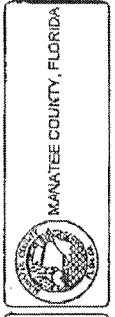


APPC OF ENVIRONMENTAL
 FEB 06 2012
 SWAMP LAKE

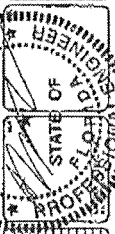
APPROVED
 STATE OF FLORIDA
 APR -9 2012
 DEPARTMENT of
 ENVIRONMENTAL PROTECTION

SCALE	
HORIZONTAL	1" = 10'
VERTICAL	1" = 5'
DATE	
DATE	NO.
2012.02.06	8
ISSUED FOR PERMITTING	

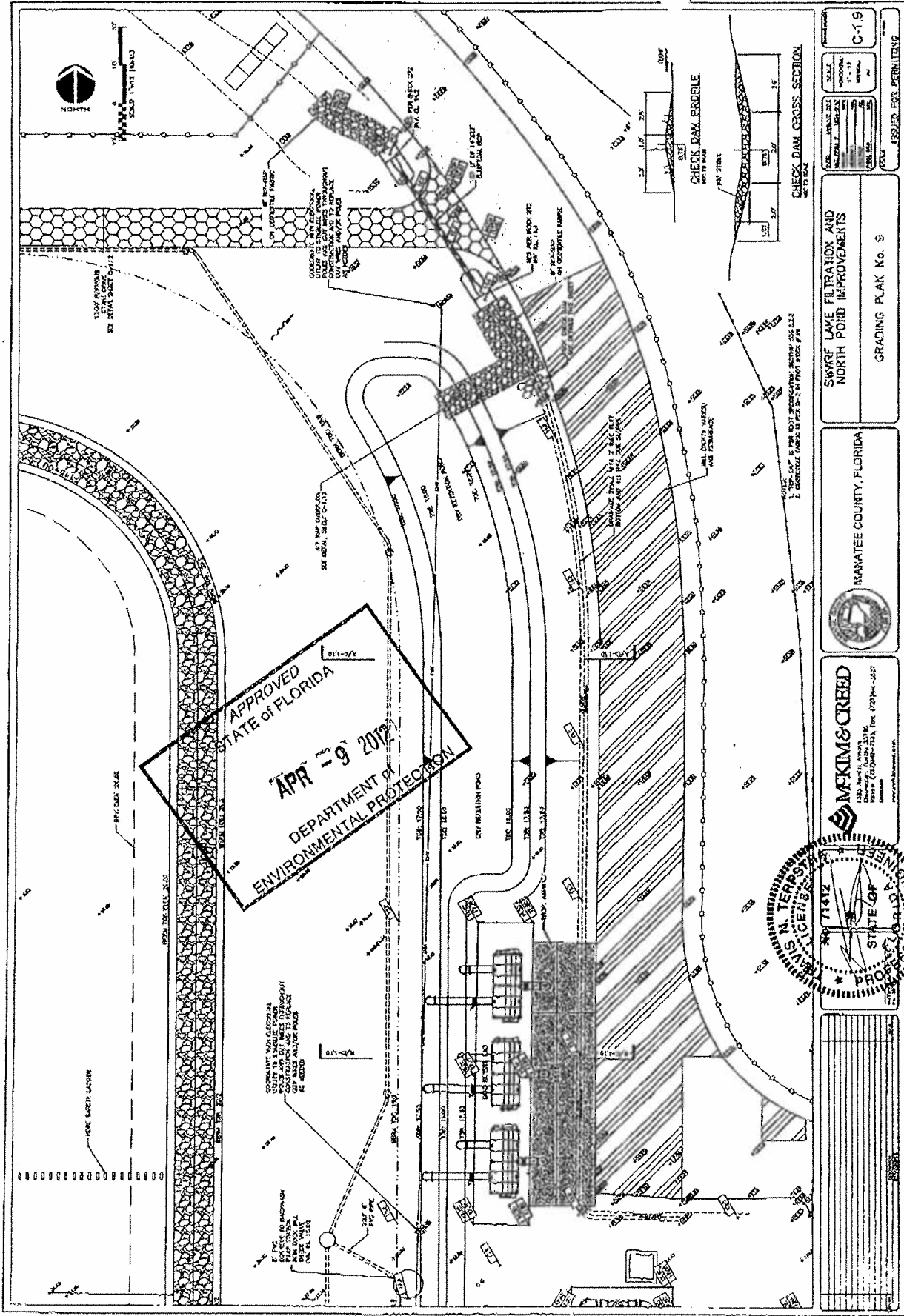
SWAMP LAKE FILTRATION AND
 NORTH POND IMPROVEMENTS
 GRADING PLAN No. 8



MCKIM & CREED
 1500 Beach Boulevard
 Palm Beach Gardens, FL 33418-3000
 www.mckimandcreed.com



21-1-2



APPROVED
 STATE OF FLORIDA
APR -9 2012
 DEPARTMENT OF
 ENVIRONMENTAL PROTECTION

DATE: 04/17/12	SCALE: C-1.9
DRAWN BY: J. L. ...	CHECKED BY: ...
DESIGNED BY: ...	APPROVED BY: ...
PROJECT NO. ...	ISSUED FOR PERMITTING

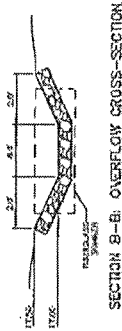
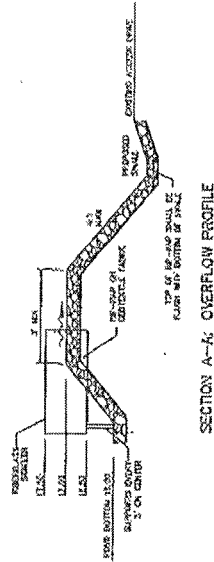
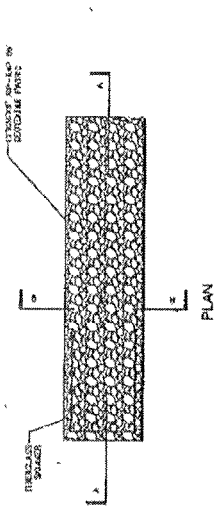
SWARF LAKE FILTRATION AND NORTH POND IMPROVEMENTS
 GRADING PLAK. No. 9



McKIM & CREED
 1200 N. ...
 TAMPA, FLORIDA 33604
 TEL: (813) 281-1111 FAX: (813) 281-1112
 WWW.MCKIMCREED.COM

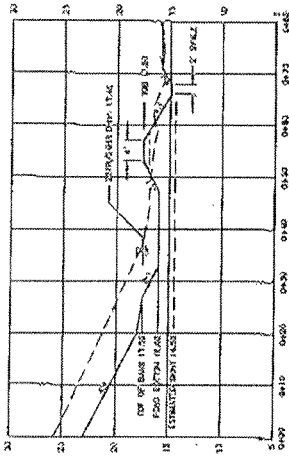


2-1-12

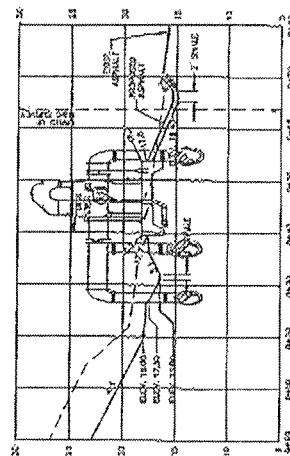


POND RAINLET DETAIL

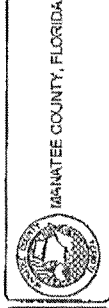
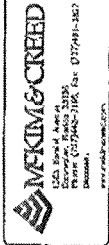
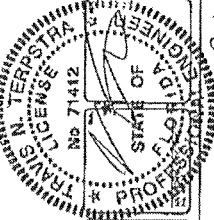
APPROVED
STATE OF FLORIDA
APR - 9, 2012
DEPARTMENT of
ENVIRONMENTAL PROTECTION



A: SECTION A-A/C-1-1-2



B: SECTION B-B/C-1-1-2

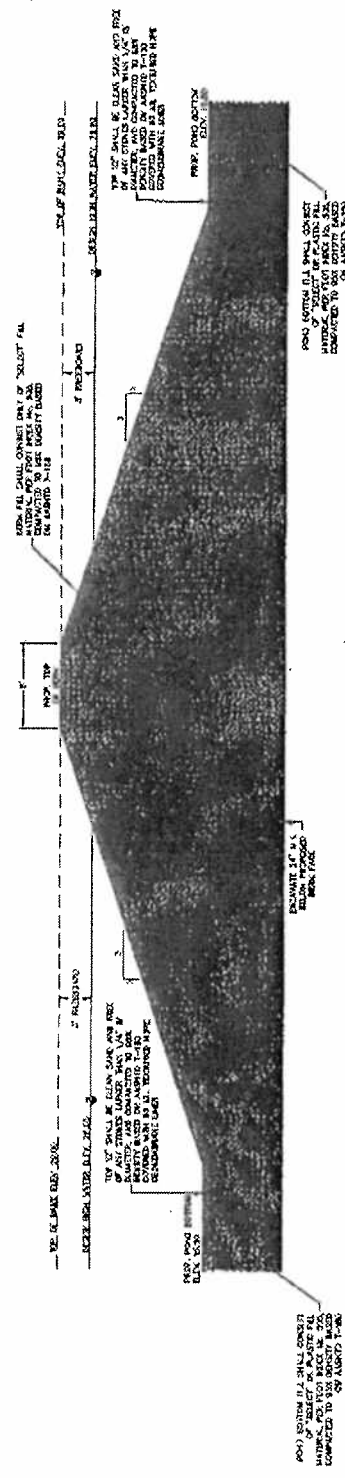


SWANEE LAKE FILTRATION AND
NORTH POND IMPROVEMENTS
GRADING DETAILS AND SECTIONS

DATE	ISSUED FOR PERMITTING
SCALE	AS SHOWN
PROJECT NO.	C-110
DATE	
BY	
CHECKED	
APPROVED	
DESIGNED	
DRAWN	
SCALE	

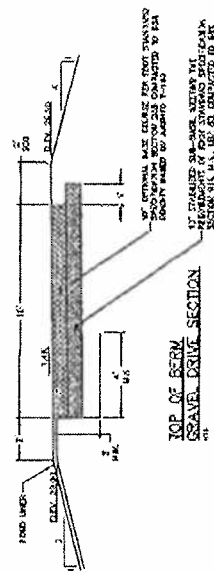
NOTES:
1. ALL GRADING SHALL BE ACCORDING TO THE GRADING PLAN.
2. ALL GRADING SHALL BE ACCORDING TO THE GRADING PLAN.
3. ALL GRADING SHALL BE ACCORDING TO THE GRADING PLAN.

21-2



TYPICAL MIDDLE BERM SECTION

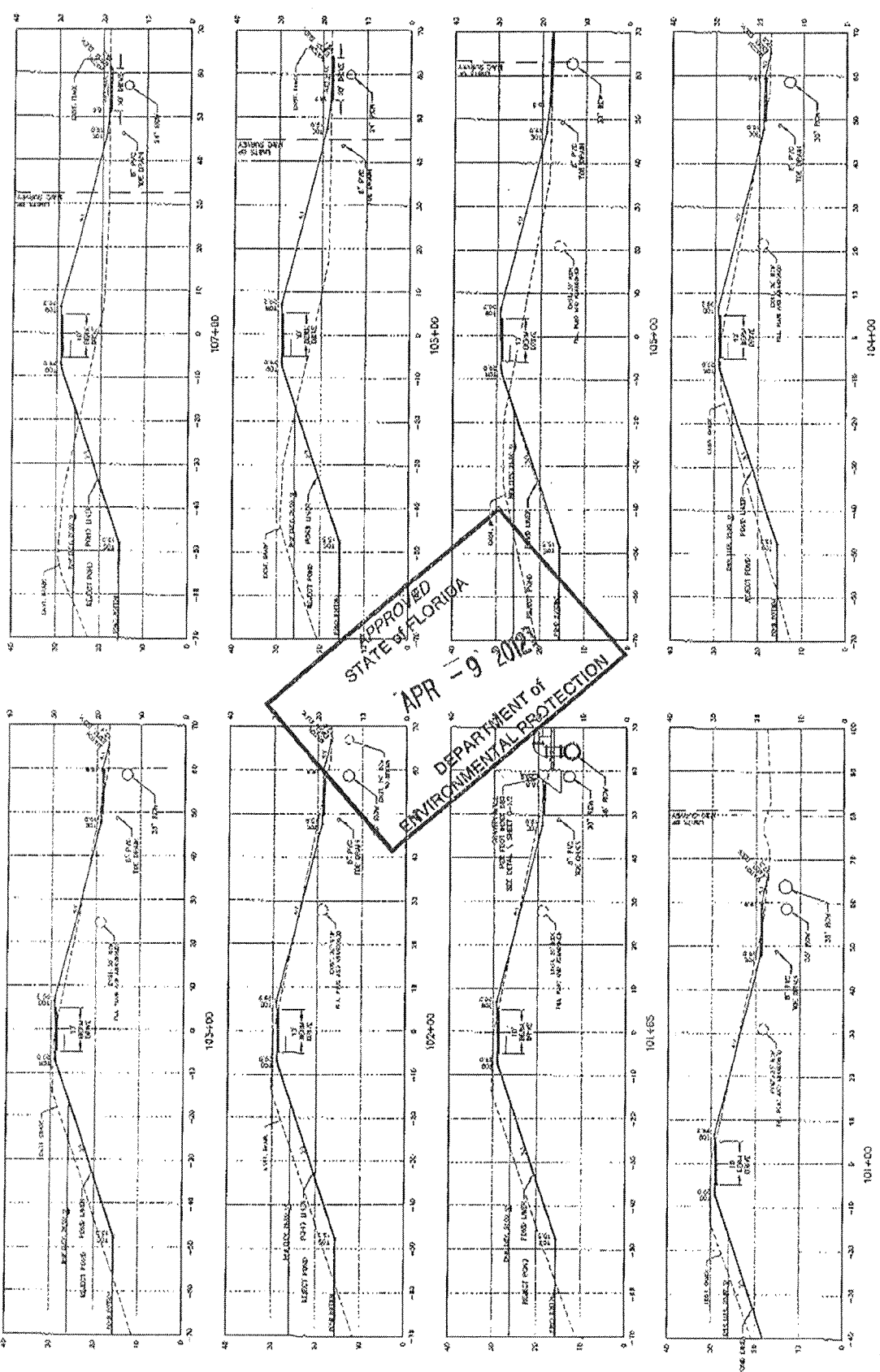
APPROVED
STATE OF FLORIDA
APR - 9 2012
DEPARTMENT OF
ENVIRONMENTAL PROTECTION



TYPICAL PERVIOUS STONE ACCESS DEGREE DETAIL

NOTES:
1. TO CONFORM WITH THE PROVISIONS OF THE FLORIDA STATUTES, THE DESIGN SHALL BE SUBJECT TO THE APPROVAL OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.
2. THE DESIGN SHALL BE SUBJECT TO THE APPROVAL OF THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

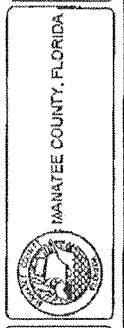
MFKIM & CREED 11111 S. US HWY 90, SUITE 100 TAMPA, FL 33613 TEL: 813-974-1111 FAX: 813-974-1112 WWW.MFKIMANDCREED.COM		MANATEE COUNTY, FLORIDA 	
SWAMP LAKE FILTRATION AND NORTH POND IMPROVEMENTS TYPICAL POND SECTIONS No. 2		100% SUBMITTAL SHEET NO. 2 DATE: 04-17-12 SCALE: 1" = 8' PROJECT NO.: 11111	



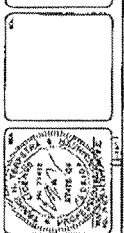
APPROVED
 STATE OF FLORIDA
 APR - 9 2012
 DEPARTMENT OF
 ENVIRONMENTAL PROTECTION

DATE	04/17/12	SCALE	AS SHOWN
DRAWN BY	J. B. BROWN	PROJECT NO.	T-842
CHECKED BY	J. B. BROWN	SHEET NO.	49
DESIGNED BY	J. B. BROWN	TOTAL SHEETS	49
PROJECT	SWANF LAKES WASTEWATER TREATMENT PLANT		

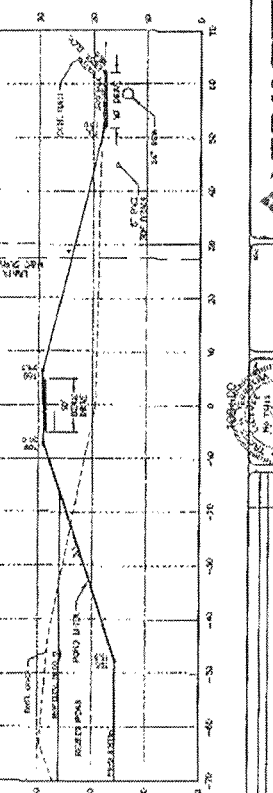
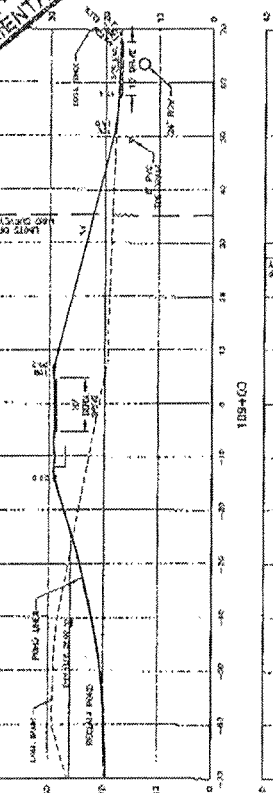
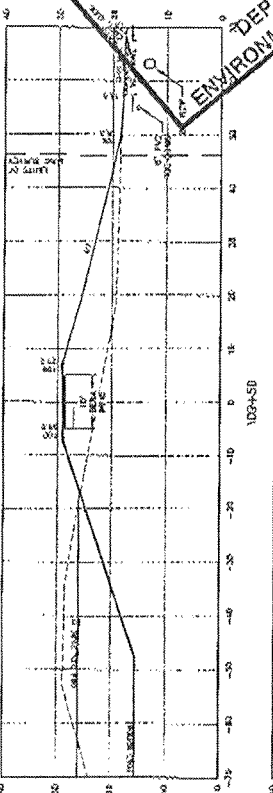
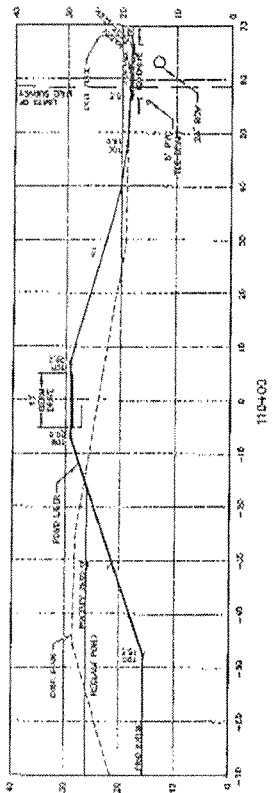
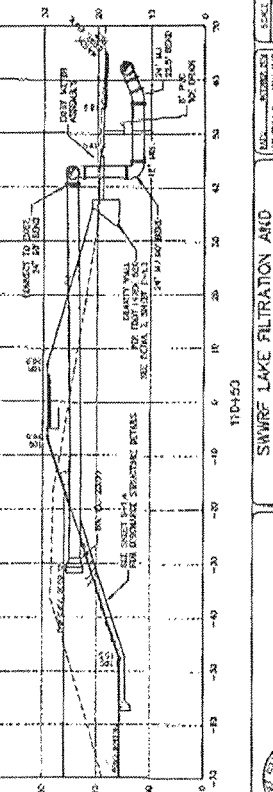
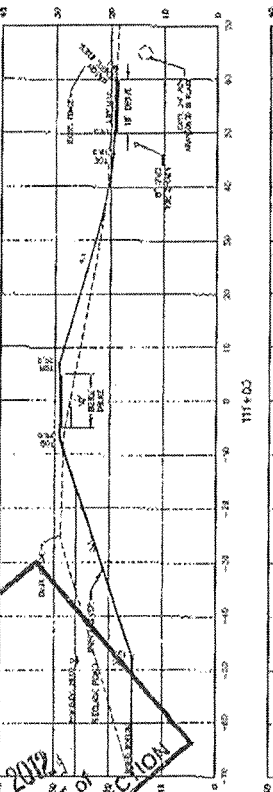
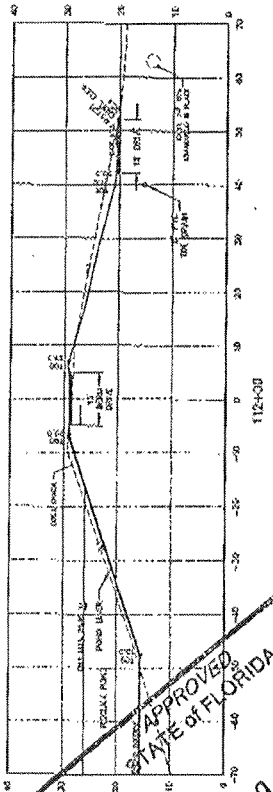
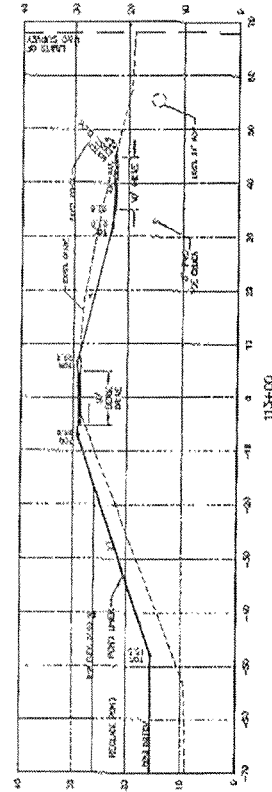
SWANF LAKES WASTEWATER TREATMENT PLANT
 NORTH POND IMPROVEMENTS
 POND SECTIONS No. 1



MCKIM & CREED
 ENGINEERS, ARCHITECTS, PLANNERS
 3000 W. GULF BLVD., SUITE 100
 TAMPA, FL 33609
 PHONE: 813.289.9200 FAX: 813.289.9201



NO.	DATE	REVISION



APR - 9 - 2012
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 APPROVED
 STATE OF FLORIDA

100% SUBMITTAL

DATE: 04/17/12
 TIME: 09:56
 FROM: FDEP-ERD
 TO: 8136327672

SCALE: 1" = 10' VERT
 1" = 100' HORZ

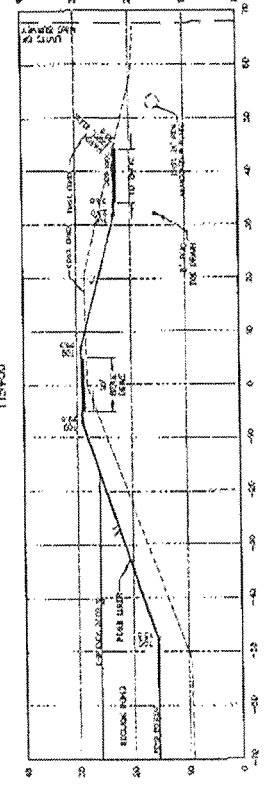
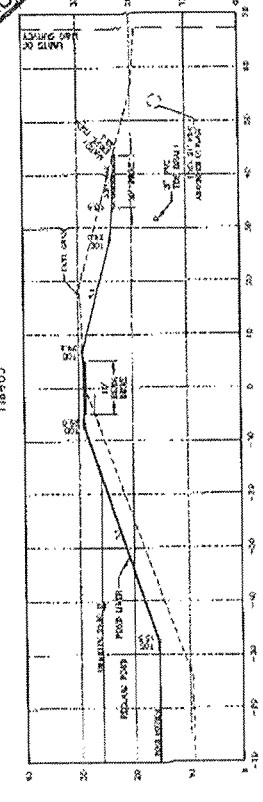
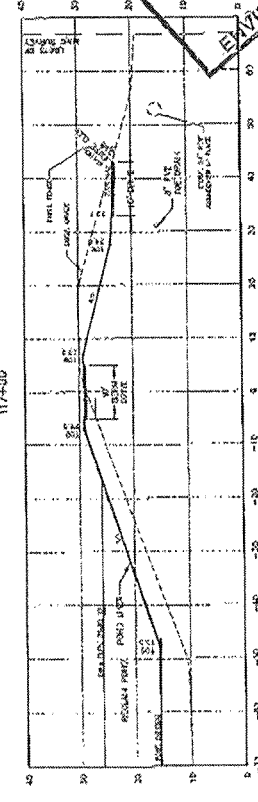
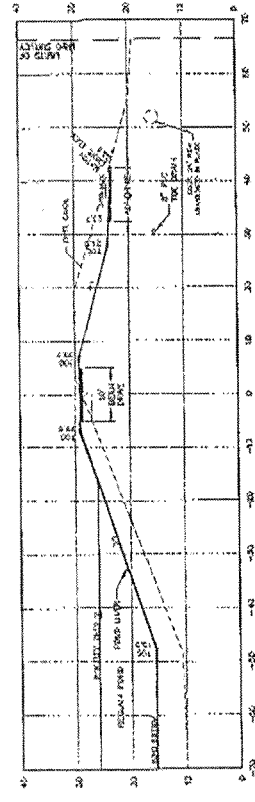
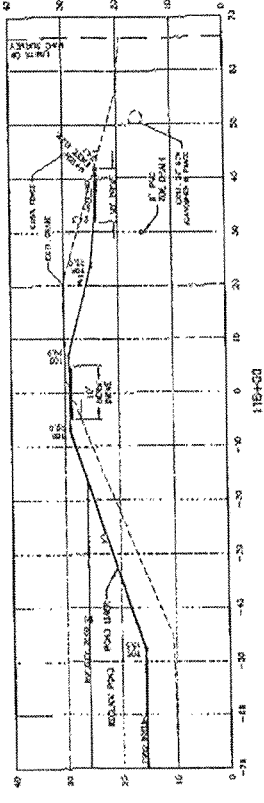
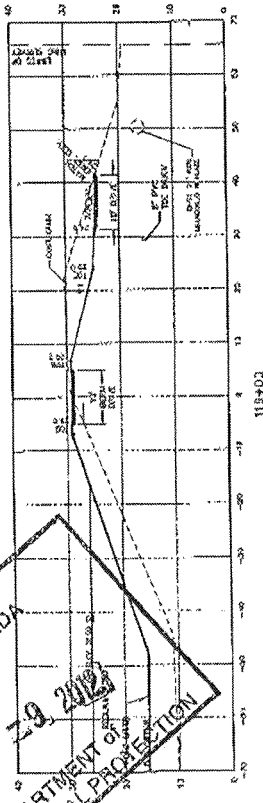
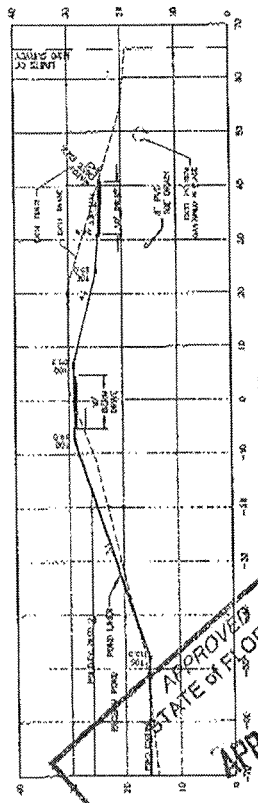
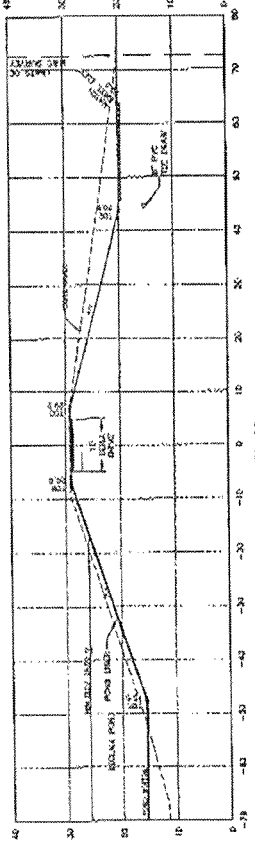
PROJECT: SWANEE LAKE FILTRATION AND NORTH POND IMPROVEMENTS

SECTION: POND SECTIONS No. 2

MANATEE COUNTY, FLORIDA

MFKIM & CREED
 10000 Highway 19
 Suite 100
 Manatee County, FL 34760
 Phone: (813) 939-7700, Fax: (813) 939-3807
 www.mfkimandcreed.com

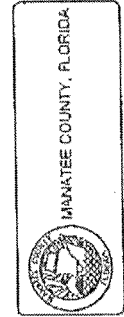
STATE OF FLORIDA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF WATER QUALITY
 1111 GULF BLVD., SUITE 100
 TAMPA, FL 33604



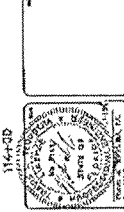
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 STATE OF FLORIDA
 APR 29 2012
 DEPARTMENT OF
 ENVIRONMENTAL PROTECTION

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SWIRE LAKE FILTRATION AND
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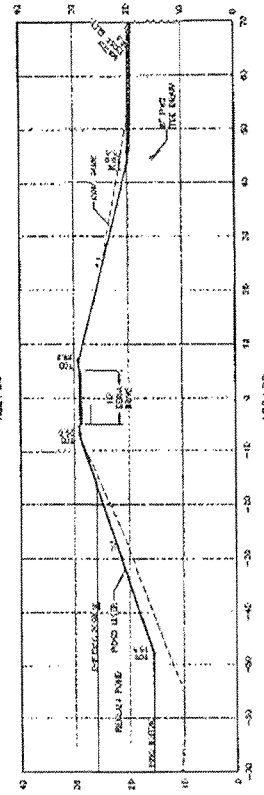
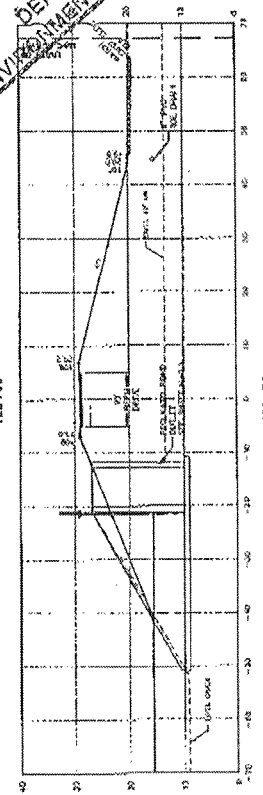
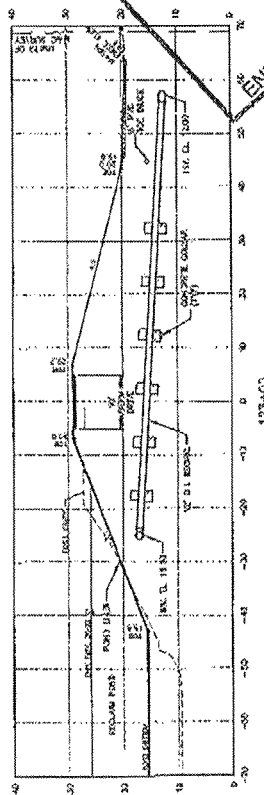
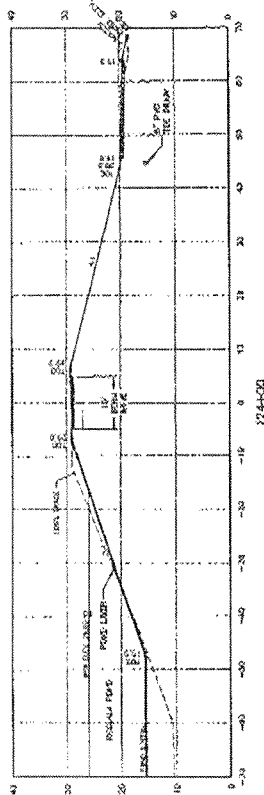
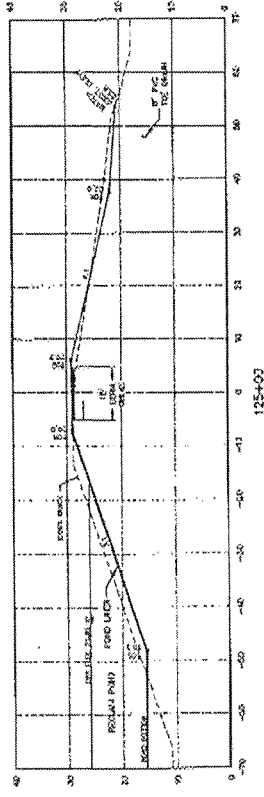
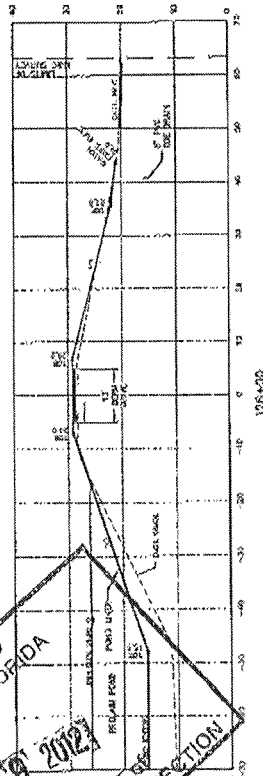
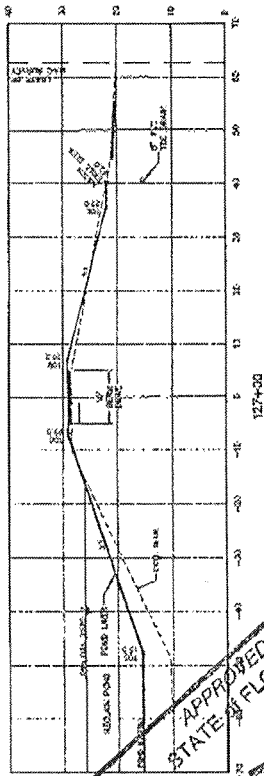
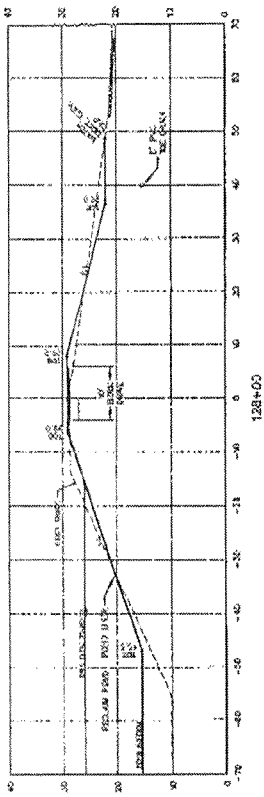


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NO.	DATE	REVISION

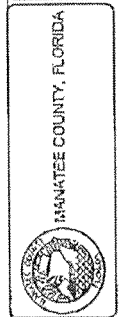
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APPROVED
STATE OF FLORIDA
APR 19 2012
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SCALE	C-1.16
DATE	
BY	
CHECKED	
PROJECT	LOOK SUBJECTS

SWRFL LAKE FILTRATION AND NORTH POND IMPROVEMENTS



MCKEM & CREED
1205 BAYVIEW AVENUE
TAMPA, FLORIDA 33606
TEL: (813) 988-1333 FAX: (813) 988-2397
WWW.MCKEMANDCREED.COM



NO.	DATE	REVISION

POND SECTIONS No. 4

SWWRF LAKE FILTRATION AND NORTH POND IMPROVEMENT PROJECT
Operation and Maintenance Instructions For the
Surface Water Management System (SWMS)

The following normal maintenance items, including cleaning or replacement of the various elements of the system, will be required for the surface water management system to continue to operate as designed. It is the Owner's responsibility to inspect and maintain the SWMS on a regular basis.

General Maintenance:

1. All surface water management system pipes, inlets, catch basins, manholes, flumes, swales, and ponds as well as inflow and outfall structures (including oil skimmers), and discharge pipes should be inspected on a regular basis (monthly) and following significant storm events. They should be maintained by removing built-up debris and vegetation and repairing deteriorating structures.
2. Chemicals, oils, greases, or similar wastes are NOT to be disposed of in the surface water management system or through storm sewers. Treatment ponds are designed to treat normal road, parking lot, roof, and yard runoff only. Some chemicals may interfere with a treatment pond's functions or kill vegetation and wildlife. Dispose of these potentially dangerous materials properly by taking them to recycling facilities or to collection locations sponsored by many local governments.

Also do not dispose of grass clippings in a surface water management system. Grass clippings pose problems by smothering desirable vegetation, clogging outfall structures and, when they decompose, may cause unsightly algae blooms that can fill fish.

3. Accumulated pond sediments may contain heavy metals such as lead, cadmium and mercury, as well as other potentially hazardous materials. Therefore, sediments removed from surface water management system inlets, pipes, and ponds should be disposed of at an approved facility (check with your County Solid Waste Department or the Florida Department of Environmental Protection for disposal facilities approved to accept treatment pond sediment).
4. During any repair or maintenance activity, use care to avoid causing erosion or siltation to adjacent or off-site areas.
5. Alterations (filling, enlarging, etc.) of any part of the surface water management system are not permitted without prior approval from the Department and all other applicable governing agencies.
6. It is usually more cost effective to monitor and perform routine maintenance on a surface water management system rather than let it fail and have to reconstruct the entire system.

7. Notify the Department within 24 hours of observation of sinkhole development within any of the retention areas of the surface water management system.

Dry Retention Ponds and Swales:

1. On a quarterly basis and following a storm event, the entity responsible for maintenance shall inspect the retention pond and outfall structure to ensure that the system is operating properly. If standing water persists longer than 72 hours after a normal summer rain event, or if wetland vegetation such as cattails grow in the retention areas, the surface water management system may be in need of repair. Repairs may be as simple as scarifying or raking the pond bottom, or may consist of removing the bottom sediment (approximately the top foot of soil) and replacing the soil with clean sand.
2. Annually, inspect the SWMS ponds and swales for the following and repair as needed:
 - (1) Determine the bottom elevation of the ponds and swales. If any pond bottom has accumulated four (4) or more inches of material, the excess material shall be removed and properly disposed of (please refer to Item #3 above). If any swale has accumulated material that will hinder conveyance, the excess material shall be removed and properly disposed of (please refer to Item #3 above.)
3. The retention areas shall be kept grassed and mowed frequently enough to prevent thatch buildup. Clippings and debris will be removed after mowing. Limit fertilizer use around the retention areas and do not fertilize the retention area bottoms.
4. Re-sod any of the retention areas (sides or bottom) where grass or sod has been removed or eroded.
5. Notify the Department within 24 hours of observation of sinkhole development within any of the retention areas of the surface water management system.
Refer to Number: 41-0221256-003,



Florida Department of
Environmental Protection
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

May 4, 2012

**DOMESTIC WASTEWATER
TREATMENT FACILITY
PERMIT NO. FLA 012619**

Mr. Daniel T. Gray, Director
Manatee County Utilities Department
4410 - 66th Street West
Bradenton, FL 34210
Dan.Gray@mymanatee.org

Re: Minor Revision
Manatee County Southwest Regional WRF
PA File No. FLA012619-018-DW1/MR
Manatee County

Dear Mr. Gray:

In accordance with Rule 62-620.325(2), Florida Administrative Code, the Department received your request for a minor revision of the above-referenced domestic wastewater treatment facility permit, FLA012619, which expires on March 21, 2015.

The permit was revised to install an 18-million gallon lined reject pond, a 66-million gallon lined RCW storage pond, modification of the RCW pump station, installation of a RCW Lake return pump station and an unfiltered pump station, replacement of the existing Lake Filtration system, and plant piping modifications and relocation.

The revised permit is attached and replaces the previous document in its entirety. Please make note of the Department contact information in Section I.D.8, on Pages 10 and 11.

Sincerely,

for

Jeffrey S. Greenwell, P.E.
Water Facilities Administrator
Southwest District

JSG/bjf

Attachment

cc: Tom Gucciardo, FDEP SWD, tom.gucciardo@dep.state.fl.us
Matthew S. Love, P.E., McKim & Creed, Inc., mlove@mckimcreed.com
Elaine Gracik, FDEP SWD, elaine.gracik@dep.state.fl.us



Florida Department of
Environmental Protection
Southwest District
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard, Jr.
Secretary

STATE OF FLORIDA DOMESTIC WASTEWATER FACILITY PERMIT

PERMITTEE:
Manatee County Utilities Department

RESPONSIBLE AUTHORITY:
Mr. Daniel T. Gray
Director
4410 - 66th Street West
Bradenton, FL 34210
(941) 792-8811
Dan.Gray@mymanatee.org

PERMIT NUMBER: FLA012619
PA FILE NUMBER: FLA012619-017-DW1P/NR
ISSUANCE DATE: March 22, 2010
PA FILE NUMBER: FLA012619-018-DW1/MR
REVISED DATE: May 4, 2012
EXPIRATION DATE: March 21, 2015

FACILITY:

Manatee County Southwest Regional Water Reclamation Facility (WRF)
5101 - 65th Street West
Bradenton, FL 34210
Manatee County
Latitude: 27° 27' 06" N Longitude: 82° 37' 30" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.). The above named permittee is hereby authorized to operate the facilities shown on the application and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TREATMENT FACILITIES:

Operation of an existing 15.0 million gallons a day (MGD) Annual Average Daily Flow (AADF) Type I activated sludge, advanced secondary treatment domestic wastewater plant. The plant consists of: a headworks with two mechanical bar screens, one manual bar screen, and two vortex de-gritting systems; four primary clarifiers with a total volume of 2.15 million gallons (MG), one flow equalization basin of 3.8 MG; four aeration basins with a total volume of 3.5 MG; four secondary clarifiers with a total volume of 4.13 MG and a total surface area of 41,900 square feet; seven automatic backwash filters (six filters with sand media and one filter with cloth media) with a total surface area of 9,720 square feet; and three chlorine contact chambers with a total volume of 0.46 MG.

The piping from the clarifiers splits into two treatment streams. One treatment stream conveys water to the filters and then to two chlorine contact basins to meet public access reuse (PAR) requirements. The second treatment stream conveys water from the clarifiers directly to the third chlorine contact basin to meet secondary treatment with basic disinfection requirements. The chlorine contact chamber gates can be controlled to adjust the number of chlorine contact basins that will receive water from the filters or directly from the clarifiers.

The solid waste stream consists of: two gravity thickeners with a total capacity of 62,800 pounds per day, two dissolved air flotation thickeners with a total capacity of 40,000 pounds per day, three primary anaerobic digesters with a total capacity of 2.7 MG, one secondary anaerobic digester of 0.9 MG, and six 2-meter belt filter presses with a total capacity of 7,200 pounds per hour. Also included is a two tank septage receiving station with a total volume of 76,000 gallons. Coagulant feed is available on a standby status.

FACILITY: Manatee County Southwest Regional WRF
PERMITTEE: Manatee County Utilities Department

PERMIT NUMBER: FLA012619

Modification:

Installation of an 18 Million Gallon Lined Reject storage pond and a 66 Million Gallon lined Reclaimed water storage pond. Modifications to the existing Reclaimed Water Pump station for reject return. Construction of a new Reclaimed Water Lake return pump station and an unfiltered pump station. Modification and relocation of existing piping within project area.

After Modification:

A 15.0 million gallons a day (MGD) Annual Average Daily Flow (AADF) Type I activated sludge, advanced secondary treatment domestic wastewater plant. The plant consists of: a headworks with two mechanical bar screens, one manual bar screen, and two vortex de-gritting systems; four primary clarifiers with a total volume of 2.15 million gallons (MG), one flow equalization basin of 3.8 MG; four aeration basins with a total volume of 3.5 MG; five secondary clarifiers with a total volume of 5.03 MG and a total surface area of 50,500 square feet; seven automatic backwash filters (six filters with sand media and one filter with cloth media) with a total surface area of 9,720 square feet; and three chlorine contact chambers with a total volume of 0.46 MG.

The piping from the clarifiers splits into two treatment streams. One treatment stream conveys water to the filters and then to two chlorine contact basins to meet public access reuse (PAR) requirements. The second treatment stream conveys water from the clarifiers directly to the third chlorine contact basin to meet secondary treatment with basic disinfection requirements. The chlorine contact chamber gates can be controlled to adjust the number of chlorine contact basins that will receive water from the filters or directly from the clarifiers. Water that meets PAR requirements will be transported to the 66 Million gallon lined RCW storage pond. Unsatisfactory water will be sent to the 18 Million gallon lined reject storage pond, and is sent back to the head works or ABW Filters to be re-treated.

The solid waste stream consists of: two gravity thickeners with a total capacity of 62,800 pounds per day, two dissolved air flotation thickeners with a total capacity of 40,000 pounds per day, three primary anaerobic digesters with a total capacity of 2.7 MG, one secondary anaerobic digester of 0.9 MG, and six 2-meter belt filter presses with a total capacity of 7,200 pounds per hour. Also included is a two tank septage receiving station with a total volume of 76,000 gallons. Coagulant feed is available on a standby status.

DISPOSAL:

Underground Injection: An existing underground injection well system U-001 consisting of one Class I underground injection well permitted under Department permit number 0039512-006-UO discharging to Class G-IV ground water. U-001 has a permitted capacity of 15.0 MGD maximum daily flow (MDF) and 10.0 MGD AADF. Underground injection well system U-001 is located approximately at latitude 27 ° 28' 10" N, longitude 82 ° 40' 51" W. Effluent water from the plant is pumped to U-001 via the PAR distribution system.

REUSE:

Land Application: An existing 10.0 MGD AADF permitted capacity slow-rate public access system R-001. The Manatee County Southwest Water Reclamation Facility serves as a source plant for the Manatee County Master Reuse System, Permit FLA474029. The North Pond will provide PAR storage. The North Pond has an area of 2.5 acres and a capacity of 100 MG. Water from the North Pond will be chlorinated (by chlorine injection) and then filtered (in designated lake filters) prior to re-entry to the PAR distribution system. R-001 will include a 10 MG ground storage tank.

Modification: Conversion of the North Pond, to, two separate lined ponds. The first, a 66 million gallon lined storage pond for Reclaimed water storage and the second, an 18 million gallon lined Reject pond.

After Modification: An existing 10.0 MGD AADF permitted capacity slow-rate public access system R-001. The Manatee County Southwest Water Reclamation Facility serves as a source plant for the Manatee County Master Reuse System, Permit FLA474029. The North Pond will provide PAR storage. The North Pond has an area of 12.5 acres and a capacity of 66 MG. Water from the North Pond will be chlorinated (by chlorine injection) and then filtered (in designated lake filters) prior to re-entry to the PAR distribution system. R-001 will include a 10 MG ground storage tank.

FACILITY: Manatee County Southwest Regional WRF
PERMITTEE: Manatee County Utilities Department

PERMIT NUMBER: FLA012619

Land Application: A Part IV rapid-rate land application system R-003. R-003 consists of a two-cell Rapid Infiltration Basin (RIB). The Middle Pond has an area of 19.5 acres and a capacity of 48 MG and the South Pond has an area of 45.9 acres and a capacity of 142 MG, for a total area of 65.4 acres and a total volume of 190 MG. Water from the Middle Pond will gravity flow to the South Pond. Piping will allow water to be circulated between the Middle and South Ponds. Water from the Middle and South Ponds may be piped to the headworks or to the plant filters for additional treatment.

IN ACCORDANCE WITH: The limitations, monitoring requirements, and other conditions set forth in Pages 1 through 30 of this permit.

FACILITY: Manatee County Southwest Regional WRF
 PERMITTEE: Manatee County Utilities Department

PERMIT NUMBER: FLA012619

I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Underground Injection Control Systems

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge effluent to Underground Injection Well U-001. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Condition I.D.8:

Parameter	Units	Max/Min	Effluent Limitations				Monitoring Requirements				Notes
			Annual Average	Monthly Average Report	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number		
Flow (U-001, Underground Injection Well)	MGD	Maximum	10.0	Report	-	15.0		Continuous	Recording flow meter and totalizer	FLW-02	See Cond.I.A.3, 5
BOD, Carbonaceous 5 day, 20C	MG/L	Maximum	20.0	30.0	45.0	60.0		7 Days/Week	24-hour FPC	EFA-01	
Solids, Total Suspended	MG/L	Maximum	20.0	30.0	45.0	60.0		7 Days/Week	24-hour FPC	EFA-01	
pH	SU	Range	-	-	-	6.0 to 8.5		Continuous	Meter	EFA-01	See Cond.I.A.4

FACILITY: Manatee County Southwest Regional WRF
PERMITTEE: Manatee County Utilities Department

PERMIT NUMBER: FLA012619

2. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I. A. 1. and as described below:

Monitoring Location Site Number	Description of Monitoring Location
EFA-01	Filtered effluent sampling point after disinfection.
FLW-02	Flow to U-001, measured by a meter at the well site. Flow to U-001 is transported via the public access reuse distribution system.

3. The daily flow to Underground Injection Well Facility U-001 shall not exceed 15.0 MGD.
4. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. *[Chapter 62-601, Figure 2]*
5. Recording flow meters and totalizers shall be utilized to measure flow and calibrated at least annually. *[62-601.200(17) and .500(6)]*
6. Disinfection is not required for discharge to Class G-IV waters using Class I wells. However, the permittee must maintain the capability for disinfection at a level that is consistent with the alternate disposal mechanism approved for this facility pursuant to Rule 62-600.540(5), F.A.C. *[62-600.540(1)]*
7. Under normal operating conditions only water meeting PAR standards, as identified in Permit Conditions I.B.1 and I.B.5 to I.B.9, may be sent to U-001. Water that does not meet PAR standards can be sent to U-001 only in accordance with the approved Operating Protocol.

B. Reuse and Land Application System R-001

- During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-001. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Condition I.D.8:

Parameter	Units	Max/Min	Reclaimed Water Limitations				Monitoring Requirements				Notes
			Annual Average	Monthly Average Report	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number		
Flow (to R-001, Public Access Reuse System)	MGD	Maximum	10.0	Report	-	-	-	Monthly	Calculation	FLW-05	See Cond. I.B.2 & 4
Flow (from R-001 storage to lake filters)	MGD	Maximum	Report	Report	-	-	-	Monthly	Recording flow meter and totalizer	FLW-11	See Cond. I.B.4
BOD, Carbonaceous 5 day, 20C	MG/L	Maximum	20.0	30.0	45.0	60.0	7 Days/Week	7 Days/Week	24-hour FPC	EFA-01	
Solids, Total Suspended	MG/L	Maximum	-	-	-	5.0	7 Days/Week	7 Days/Week	Grab	EFB-01	
pH	SU	Range	-	-	-	6.0 to 8.5	Continuous	Continuous	Meter	EFA-01	See Cond. I.B.3
Coliform, Fecal, % less than detection	PERCENT	Minimum	-	75	-	-	Monthly	Monthly	Calculation	EFA-01	See Cond. I.B.5
Coliform, Fecal	#/100ML	Maximum	-	-	-	25	7 Days/Week	7 Days/Week	Grab	EFA-01	See Cond. I.B.5
Total Residual Chlorine (For Disinfection)	MG/L	Minimum	-	-	-	1.0	Continuous	Continuous	Meter	EFA-01	See Cond. I.B.6, 9
Turbidity	NTU	Maximum	-	-	-	Report	Report	Continuous	Meter	EFB-01	See Cond. I.B.8, 9
Nitrogen, Total (as N)	MG/L	Maximum	-	-	-	Report	Report	Monthly	24-hour FPC	EFA-01	
Phosphorus, Total (as P)	MG/L	Maximum	-	-	-	Report	Report	Monthly	24-hour FPC	EFA-01	
Giardia	CYSTS/100 L	Maximum	-	-	-	Report	Report	two years	Filtered	EFA-01	See Cond. I.B.10
Cryptosporidium	OOCYSTS/100 L	Maximum	-	-	-	Report	Report	two years	Filtered	EFA-01	See Cond. I.B.10

2. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I. B. 1. and as described below:

Monitoring Location Site Number	Description of Monitoring Location
EFA-01	Filtered effluent sampling point after disinfection.
EFB-01	Turbidity and TSS monitoring location after filtration and prior to disinfection.
FLW-02	Flow to U-001, measured by a meter at the well site. Flow to U-001 is transported via the public access reuse distribution system.
FLW-03	Partial flow to public access reuse system R-001 (to the Northwest service area) measured by a flow meter near 66 th Street. Meter measurements will include flow to U-001.
FLW-04	Partial flow to public access reuse system R-001, measured by a meter along 65 th Street.
FLW-09	Partial flow to public access reuse system R-001 (Manatee County Golf Course irrigation), measured by a meter downstream of the reclaimed water pump station.
FLW-05	Total calculated flow to public access reuse system R-001. $(FLW-05) = (FLW-03) + (FLW-04) + (FLW-09) - (FLW-02) - (FLW-10)$
FLW-10	Metered flow from R-001 to the North Pond.
FLW-11	Metered flow from the North Pond to the lake filters.

3. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. [Chapter 62-601, Figure 2]
4. Recording flow meters and totalizers shall be utilized to measure flow and calibrated at least annually. [62-601.200(17) and .500(6)]
5. Over a 30-day period, at least 75 percent of the fecal coliform values shall be below the detection limits. No sample shall exceed 25 fecal coliforms per 100 mL. No sample shall exceed 5.0 mg/L of total suspended solids (TSS) at a point before the application of the disinfectant. Note: To report the “% less than detection,” count the number of fecal coliform observations that were less than detection, divide by the total number of fecal coliform observations in the month, and multiply by 100% (round to the nearest integer). [62-600.440(5)(f)]
6. The minimum total chlorine residual shall be limited as described in the approved operating protocol, such that the permit limitation for fecal coliform bacteria will be achieved. In no case shall the total chlorine residual be less than 1.0 mg/L. [62-600.440(5)(b); 62-610.460(2); and 62-610.463(2)]
7. 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 for subsequent additional treatment or disinfection. 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)]
8. Turbidity shall be monitored as described in the approved operating protocol, such that the permit limitations for total suspended solids and fecal coliforms will be achieved.
9. Instruments for continuous on-line monitoring of total residual chlorine and turbidity shall be equipped with an automated data logging or recording device. [62-610.463(2) & .865(8)(d)]
10. Intervals between sampling for Giardia and Cryptosporidium shall not exceed two years. Sampling results shall be reported on DEP Form 62-610.300(4)(a)4 which is attached to this permit (If additional sampling is required in accordance with the attached form, only one additional sampling event will be required within the two year monitoring frequency) . This form shall be submitted to the Department and to DEP’s Reuse Coordinator in Tallahassee. [62-610.463(4)]

FACILITY: Manatee County Southwest Regional WRF
 PERMITTEE: Manatee County Utilities Department

PERMIT NUMBER: FLA012619

C. Reuse and Land Application System R-003

1. During the period beginning on completion of the pond piping reconfiguration and lasting through the expiration date of this permit, the permittee is authorized to direct reclaimed water to Reuse System R-003. Such reclaimed water shall be limited and monitored by the permittee as specified below and reported in accordance with Condition I.D.8:

Parameter	Units	Max/Min	Reclaimed Water Limitations				Monitoring Requirements				Notes
			Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number		
Flow (to R-003, Rapid Infiltration Basin)	MGD	Maximum	Report	Report	-	-	-	-	Recording flow meter and totalizer	FLW-14	See Cond.I.C.2, 3,&5
Flow (from R-003 to the plant)	MGD	Maximum	-	Report	-	-	-	-	Recording flow meter and totalizer	FLW-15	See Cond.I.C.2, & 5
BOD, Carbonaceous 5 day, 20C	MG/L	Maximum	20.0	30.0	45.0	60.0	7 Days/Week	24-hour FPC		EFA-03	
Solids, Total Suspended	MG/L	Maximum	20.0	30.0	45.0	60.0	7 Days/Week	24-hour FPC		EFA-03	
pH	SU	Range	-	-	-	6.0 to 8.5	Continuous	Meter		EFA-03	See Cond.I.C.4
Coliform, Fecal	#/100ML	Maximum	200	200 (Geo Mean)	-	800	7 Days/Week	Grab		EFA-03	See Cond.I.C.6
Total Residual Chlorine (For Disinfection)	MG/L	Minimum	-	-	-	0.5	Continuous	Meter		EFA-03	See Cond.I.C.4&7
Nitrogen, Nitrate, Total (as N)	MG/L	Maximum	-	-	-	12.0	7 Days/Week	24-hour FPC		EFA-03	

2. Reclaimed water samples shall be taken at the monitoring site locations listed in Permit Condition I. C. 1. and as described below:

Monitoring Location Site Number	Description of Monitoring Location
EFA-03	Unfiltered effluent sampling point after disinfection in chlorine contact basin #3.
FLW-12	Partial flow to R-003, measured by a meter located downstream of the chlorine contact chambers.
FLW-13	Partial flow to R-003, measured by a meter located downstream of the reclaimed water pump station.
FLW-14	Net flow to R-003. $(FLW-14) = (FLW-12) + (FLW-13) - (FLW-15)$
FLW-15	Total flow from R-003 to the plant filters and headworks, measured by a meter upstream of the return piping split to the filters and headworks.
FLW-16	Flow from R-003 to the plant headworks, measured by a meter located between the return piping split and the headworks.
FLW-17	Flow from R-003 to the plant filters. $(FLW-17) = (FLW-15) - (FLW-16)$

3. The permitted capacity for reuse system R-003 will be based on at least twelve months of inflow and outflow data, as described in Permit Condition VI.1.4.
4. Hourly measurement of pH and total residual chlorine for disinfection during the period of required operator attendance may be substituted for continuous measurement. [Chapter 62-601, Figure 2]
5. Recording flow meters and totalizers shall be utilized to measure flow and calibrated at least annually. [62-601.200(17) and .500(6)]
6. The arithmetic mean of the monthly fecal coliform values collected during an annual period shall not exceed 200 per 100 mL of reclaimed water sample. The geometric mean of the fecal coliform values for a minimum of 10 samples of reclaimed water, each collected on a separate day during a period of 30 consecutive days (monthly), shall not exceed 200 per 100 mL of sample. No more than 10 percent of the samples collected (the 90th percentile value) during a period of 30 consecutive days shall exceed 400 fecal coliform values per 100 mL of sample. Any one sample shall not exceed 800 fecal coliform values per 100 mL of sample. [62-610.510 and 62-600.440(4)(c)]
7. A minimum of 0.5 mg/L total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow. [62-610.510 and 62-600.440(4)(b)]

D. Other Limitations and Monitoring and Reporting Requirements

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the treatment facility shall be limited and monitored by the permittee as specified below and reported in accordance with Condition I.D.8:

Parameter	Units	Max/Min	Limitations				Monitoring Requirements				Notes
			Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number		
Flow	MGD	Maximum	15.0	Report	-	-	-	Continuous	Recording flow meter and totalizer	FLW-01	See Cond.I.D.4
Percent Capacity, (3MRADF*/Permitted Capacity) x 100	PERCENT	Maximum	-	Report	-	-	-	Monthly	Calculation	FLW-01	
BOD, Carbonaceous 5 day, 20C	MG/L	Maximum	-	Report	-	-	-	Weekly	24-hour FPC	INF-01	See Cond.I.D.3
Solids, Total Suspended	MG/L	Maximum	-	Report	-	-	-	Weekly	24-hour FPC	INF-01	See Cond.I.D.3

*3MRADF: Three Month Rolling Average Daily Flow

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2. Samples shall be taken at the monitoring site locations listed in Permit Condition I. D. 1 and as described below:

Monitoring Location Site Number	Description of Monitoring Location
FLW-01	Total plant flow, measured by a magnetic flow meter located at the headworks.
INF-01	Influent sampling point at headworks prior to treatment and ahead of plant process waters.

3. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. [62-601.500(4)]
4. Recording flow meters and totalizers shall be utilized to measure flow and calibrated at least annually. [62-601.200(17) and .500(6)]
5. Parameters which must be monitored as a result of a surface water discharge shall be analyzed using a sufficiently sensitive method to assure compliance with applicable water quality standards and effluent limitations in accordance with 40 CFR (Code of Federal Regulations) Part 136. Parameter that must be monitored as a result of ground water discharge (i.e., underground injection or land application system) shall be analyzed in accordance with Chapter 62-601, F.A.C. All monitoring shall be representative of the monitored activity. [62-620.320(6)].
6. The permittee shall provide safe access points for obtaining representative influent, reclaimed water, and effluent samples which are required by this permit. [62-601.500(5)]
7. The Department may for good cause and after notice and, if requested, an administrative hearing pursuant to section 120.57, F.S., the Department shall require the permittee to conform to new or additional permit conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions. When a permit is revised, only the conditions subject to revision are reopened. All other requirements and conditions of the existing permit shall remain in effect until the permit expires. [62-620.325(1)]
8. Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e., monthly, toxicity, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below, unless specified elsewhere in the permit.

REPORT Type	Monitoring Period	Due Date
Monthly	first day of month – last day of month	28 th day of following month
Quarterly	January 1 - March 31 April 1 – June 30 July 1 – September 30 October 1 – December 31	April 28 July 28 October 28 January 28
Semiannual	January 1 – June 30 July 1 – December 31	July 28 January 28
Annual	January 1 – December 31	March 28

DMRs shall be submitted for each required monitoring period including months of no discharge. The permittee shall make copies of the attached DMR and shall submit the completed DMR to the Department postmarked by the 28th of the month following the month of operation at the addresses specified below.

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Originals to:
Florida Department of Environmental Protection
Domestic Wastewater Program
Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Copies to:
Florida Department of Environmental Protection
Wastewater Compliance Evaluation Section, Mail Station 3551
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

[62-620.610(18)][62-601.300(1), (2), and (3)]

9. During the period of operation authorized by this permit, reclaimed water or effluent shall be monitored annually for the primary and secondary drinking water standards contained in Chapter 62-550, F.A.C., (except for asbestos, color, and corrosivity). Twenty-four hour composite samples, or grab samples where appropriate, shall be used to analyze reclaimed water or effluent for the primary and secondary drinking water standards. These monitoring results shall be reported to the Department annually on the DMR under monitoring group number RWS-01. During years when a permit is not renewed, a certification stating that no new non-domestic wastewater dischargers have been added to the collection system since the last reclaimed water or effluent analysis was conducted may be submitted in lieu of the report. The annual reclaimed water or effluent analysis report or the certification shall be completed and submitted in a timely manner so as to be received by the Department by June 28 of each year. Approved analytical methods identified in Rule 62-620.100(3)(i), F.A.C., shall be used for the analysis. If no method is included for a parameter, methods specified in Chapter 62-550, F.A.C., shall be used. *[62-601.300(4)][62-601.500(3)][62-610.300(4)]*
10. Reuse information shall be submitted with the Manatee County Master Reuse System Permit's Annual Reuse Report using DEP Form 62-610.300(4)(a)2. on or before January 1 of each year. *[62-610.870(3)]*
11. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Southwest District Office at the address specified below:

Southwest District Office
13051 N. Telecom Parkway
Temple Terrace, Florida 33637-0926

Phone Number - 813-632-7600
FAX Number - 813-632-7662

All FAX copies shall be followed by original copies. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. *[62-620.305]*

II. RESIDUALS MANAGEMENT REQUIREMENTS

1. The method of residuals use or disposal by this facility is transport to the Manatee County Southeast WWTF for Class A treatment, land application, transport to a Residual Management Facility, or disposal in a Class I solid waste landfill. Transportation of the residuals to an alternative RMF does not require a permit revision, however, use of an alternative RMF requires a copy of the agreement pursuant to Rule 62-640.880(1)(c), F.A.C., along with a written notification to the Department at least 30 days before transport of the residuals.
2. The permittee shall be responsible for proper treatment, management, use, and land application or disposal of its residuals. *[62-640.300(5)]*

3. The permittee will not be held responsible for violations resulting from land application of residuals if the permittee can demonstrate that it has delivered residuals that meet the parameter concentrations and appropriate treatment requirements of this rule and the applier (e.g. hauler, contractor, site manager, or site owner) has legally agreed in writing to accept responsibility for proper land application of the residuals. Such an agreement shall state that the applier agrees, upon delivery of residuals that have been treated as required by Chapter 62-640, F.A.C., that he will accept responsibility for proper land application of the residuals as required by Chapter 62-640, F.A.C., and that the applier agrees that he is aware of and will comply with requirements for proper land application as described in the facility's permit. *[62-640.300(5)]*
4. The permittee shall not be held responsible for treatment, management, use, or land application violations that occur after its residuals have been accepted by a permitted residuals management facility with which the source facility has an agreement in accordance with Rule 62-640.880(1)(c), F.A.C., for further treatment, management, use or land application. *[62-640.300(5)]*
5. Disposal of residuals, septage, and other solids in a solid waste landfill, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. *[62-640.100(6)(k)3 & 4]*
6. Land application of residuals shall be in accordance with the conditions of this permit, the approved Agricultural Use Plan(s), and the requirements of Chapter 62-640, F.A.C. *[62-640]*
7. The domestic wastewater residuals for this facility are classified as Class B.
8. The permittee shall achieve Class B pathogen reduction by meeting the pathogen reduction requirements in section 503.32(b)(3) (Use of PSRP (Processes to Significantly Reduce Pathogens) – Anaerobic Digestion) of Title 40 CFR Part 503, revised as of October 25, 1995. *[62-640.600(1)(b)]*
9. The permittee shall achieve vector attraction reduction by meeting the vector attraction reduction requirements in section 503.33(b)(1) (Reduce the mass of volatile solids by a minimum of 38 percent) of Title 40 CFR Part 503, revised as of October 25, 1995. *[62-640.600(2)(a)]*
10. Treatment of liquid residuals or septage for the purpose of meeting the pathogen reduction or vector attraction reduction requirements set forth in Rule 62-640.600, F.A.C., shall not be conducted in the tank of a hauling vehicle. Treatment of residuals or septage for the purpose of meeting pathogen reduction or vector attraction reduction requirements shall take place at the permitted facility. *[62-640.400(8)]*
11. The permittee shall sample and analyze the parameters listed in the table below at least bimonthly. All samples shall be representative of the residuals used or land applied and shall be taken after final treatment of the residuals but before use or land application.

Parameter	Ceiling Concentrations (Single Sample)	Cumulative Application Limits
Total Nitrogen	(Report only) % dry weight	Not applicable
Total Phosphorus	(Report only) % dry weight	Not applicable
Total Potassium	(Report only) % dry weight	Not applicable
Arsenic	75 mg/kg dry weight	36.6 pounds/acre
Cadmium	85 mg/kg dry weight	34.8 pounds /acre
Copper	4300 mg/kg dry weight	1340 pounds/acre
Lead	840 mg/kg dry weight	268 pounds/acre

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Parameter	Ceiling Concentrations (Single Sample)	Cumulative Application Limits
Mercury	57 mg/kg dry weight	15.2 pounds/acre
Molybdenum	75 mg/kg dry weight	Not applicable
Nickel	420 mg/kg dry weight	375 pounds/acre
Selenium	100 mg/kg dry weight	89.3 pounds/acre
Zinc	7500 mg/kg dry weight	2500 pounds/acre
pH	(Report only) standard units	Not applicable
Total Solids	(Report only) %	Not applicable

[62-640.650(1), 62-640.700(1), 62-640.700(3)(b), and 62-640.850(3)]

12. Residuals samples shall be taken at the monitoring site locations described below:

Monitoring Location Site Number	Description of Monitoring Location
RMP-B	After belt presses.

13. Sampling and analysis shall be conducted in accordance with Title 40 CFR Part 503, section 503.8 and the U.S. Environmental Protection Agency publication - POTW Sludge Sampling and Analysis Guidance Document, 1989. In cases where disagreements exist between Title 40 CFR Part 503, section 503.8 and the POTW Sludge Sampling and Analysis Guidance Document, the requirements in Title 40 CFR Part 503, section 503.8 will apply. [62-640.650(1), 62-640.700(1), 62-640.700(3)(b), and 62-640.850(3)]
14. Grab samples shall be used for pathogens and determinations of percent volatile solids. Composite samples shall be used for metals. [62-640.650(1)(e)]
15. Residuals shall not be land applied if a single sample result for any parameter exceeds the ceiling concentrations given in this permit. Monthly averages of parameter concentrations shall be determined by taking the arithmetic mean of all sample results for the month. [62-640.650(1)(f)]
16. The permittee shall submit the results of all residuals monitoring with the permittee's Discharge Monitoring Report under Chapter 62-601, F.A.C. The analytical results from each sampling event shall be submitted with the report for the month in which the sampling event occurs. [62-640.650(3)(a)&(e)]
17. Class B residuals shall not be used on unrestricted public access areas. Use of Class B residuals is limited to restricted public access areas such as agricultural sites, forests, and roadway shoulders and medians. [62-640.600(3)(b)]
18. Plant nursery use of Class B residuals is limited to plants which will not be sold to the public for 12 months after the last application of residuals. [62-640.600(3)(b)1]
19. Use of Class B residuals on roadway shoulders and medians is limited to restricted public access roads. [62-640.600(3)(b)2.]
20. Food crops, feed crops, and fiber crops shall not be harvested for 30 days following the last application of Class B residuals. [62-640.600(3)(b)6.]

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21. Food crops with harvested parts that touch the residuals/soil mixture and are totally above the land surface shall not be harvested for 14 months after the last application of Class B residuals. [62-640.600(3)(b)3.]
22. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after application of Class B residuals when the residuals remain on the land surface for four months or longer before incorporation into the soil. [62-640.600(3)(b)4.]
23. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months after application of Class B residuals when the residuals remain on the land surface for less than four months before incorporation into the soil. [62-640.600(3)(b)5.]
24. Animals shall not be grazed on the land for 30 days after the last application of Class B residuals. [62-640.600(3)(b)7.]
25. Sod which will be distributed or sold to the public or used on unrestricted public access areas shall not be harvested for 12 months after the last application of Class B residuals. [62-640.600(3)(b)8.]
26. The public shall be restricted from application zones for 12 months after the last application of Class B residuals. [62-640.600(3)(b)]
27. Residuals that do not meet the requirements of Chapter 62-640, F.A.C., for Class AA designation shall not be used for the cultivation of tobacco or leafy vegetables. [62-640.400(7)]
28. Current Agricultural Use Plan(s) identify residuals landspreading on the following sites:

Application Site Number	Site Name	Application Area (acres)	County
FLA288233	Hart-Albritton	1704	Highlands
FLA290521	Stokes Ranch	810	Polk
FLA290386	JMC Ranch	377	Polk
FLA289647	MJ Ranch	893	Manatee
FLA287709	Melton	456	Hernando
FLA287733	Durkee	176	Hernando
FLA287717	Nordgren	73	Hernando

The wastewater treatment facility permittee shall apply for a minor permit revision on DEP Form 62-620.910(9) for new, modified, or expanded residuals land application sites. The facility's permit shall be revised to include the new or revised Agricultural Use Plan(s) prior to application of residuals to the new, modified, or expanded sites, unless, under unusual circumstances, all of the following conditions are met:

- a) The permittee notifies the Department within 24 hours that the site is being used;
- b) The site meets the site use restrictions of Rule 62-640.600(3), F.A.C., and the criteria for land application of residuals in Rule 62-640.700, F.A.C.;
- c) The permittee submits a new or revised Agricultural Use Plan for the site with a permit application in accordance with Rule 62-640.300(2), F.A.C., within 30 days of beginning use of the site;
- d) The permittee does not have another approved land application site, another approved disposal method (e.g. landfilling or incineration), or approved storage facilities available for use; and,
- e) The permittee demonstrates during permit application that application of additional residuals to an existing approved application site would have resulted in violation of Department rules, or was not possible due to circumstances beyond the permittee's control.

[62-640.300(2)&(3)]

29. Residuals application rates are limited to agronomic rates based on the site vegetation as identified in the Agricultural Use Plan. [62-640.750(2)]

30. Residuals shall be applied with appropriate techniques and equipment to assure uniform application over the application zone. *[62-640.700(2)(c)]*
 31. The spraying of liquid domestic wastewater residuals shall be conducted so that the formation of aerosols is minimized. *[62-640.700(2)(d)]*
 32. Residuals storage facilities at land application sites shall be subject to applicable setback requirements for residuals application sites. Residuals stored at land application sites shall be stored in a manner that will not cause runoff or seepage from the residuals, objectionable odors, or vector attraction. Storage areas must be fenced or otherwise provided with appropriate features to discourage the entry of animals and unauthorized persons. At the time of application, the stored residuals must meet the parameter concentrations, pathogen and vector attraction reduction requirements, and cumulative application limits of this permit. Residuals storage facilities at land application sites may be used only for temporary storage of stabilized residuals for no more than 30 days during periods of inclement weather or to accommodate agricultural operations, or up to the period (not to exceed two years) specified in the Agricultural Use Plan. *[62-640.700(2)(e)]*
 33. Residuals application sites shall be posted with appropriate advisory signs identifying the nature of the project area. *[62-640.700(2)(f)]*
 34. The pH of the residuals soil mixture shall be 5.0 or greater at the time residuals are applied. At a minimum, soil pH testing shall be done annually. *[62-640.700(5)(d)]*
 35. The permittee shall maintain records of application zones and application rates and shall make these records available for inspection within seven days of request by the Department, or delegated Local Program. The permittee shall maintain record items a. through e. below in perpetuity, and maintain record items f. through k. for five years:
 - a. Date of application of the residuals;
 - b. Location of the residuals application site as specified in the Agricultural Use Plan;
 - c. Identification of each application zone used by the permittee at the application site and the acreage of each zone;
 - d. Amount of residuals applied or delivered to each application zone;
 - e. Cumulative loading of each application zone;
 - f. The names of all other wastewater facilities using each of the application zones identified in item c.;
 - g. Method of incorporation (if any);
 - h. Measured pH of the residuals soil mixture at the time the residuals are applied (tested at least annually);
 - i. Unsaturated depth of soil above the water table level at the time of application;
 - j. Concentration of parameters in the residuals as required by this permit, and the date of last analysis; and
 - k. The results of any soil testing that is done under Rule 62-640.500(4)(a), F.A.C.
- [62-640.650(2)]*
36. The permittee shall submit an annual summary of residuals application activity to the Southwest District Office on Department Form 62-640.210(2)(b) for all residuals applied during the period of January 1 through December 31. The summary for each year shall be submitted by February 19 of the following year. If more than one facility applies residuals to the same application zones, the summary must include a subtotal of each facility's contribution of residuals to the application zones. *[62-640.650(3)(b)]*
 37. If residuals that are subject to the cumulative loading limitations of Rule 62-640.700(3), F.A.C., have been applied to an application zone, and the cumulative loading amount of one or more of the pollutants is not known, no further applications of residuals may be made to that application zone. *[62-640.700(3)(f)]*
 38. A minimum unsaturated soil depth of two feet above the water table level is required at the time the residuals are applied to the soil. *[62-640.700(6)(a)]*
 39. Residuals shall not be applied during rains that cause runoff from the site or when surface soils are saturated. *[62-640.700(7)(a)]*

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40. Land application of "other solids" as defined in Chapter 62-640, F.A.C., is only allowed if specifically addressed in the Agricultural Use Plan(s) approved for this facility. Land application of "other solids" is subject to Chapter 62-640, F.A.C., and the permit conditions that apply to land applied residuals. *[62-640.860]*
41. If the permittee intends to accept residuals from other facilities, a permit revision is required pursuant to Rule 62-640.880(2)(d), F.A.C. *[62-640.880(2)(d)]*
42. The permittee shall keep hauling records to track the transport of residuals between facilities. The hauling records shall contain the following information:

Source Facility	Residuals Management Facility or Treatment Facility
1. Date and Time Shipped	1. Date and Time Received
2. Amount of Residuals Shipped	2. Amount of Residuals Received
3. Degree of Treatment (if applicable)	3. Name and ID Number of Source Facility
4. Name and ID Number of Residuals Management Facility or Treatment Facility	4. Signature of Hauler
5. Signature of Responsible Party at Source Facility	5. Signature of Responsible Party at Residuals Management Facility or Treatment Facility
6. Signature of Hauler and Name of Hauling Firm	

These records shall be kept for five years and shall be made available for inspection upon request by the Department. A copy of the hauling records information maintained by the source facility shall be provided upon delivery of the residuals to the residuals management facility or treatment facility. The permittee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of residuals leaving the source facility and arriving at the residuals management facility or treatment facility. *[62-640.880(4)]*

III. GROUND WATER REQUIREMENTS

Construction Requirements

1. The permittee shall give at least 72-hours notice to the Department's Southwest District Office, prior to the installation of any monitoring wells detailed in this permit. *[62-520.600(6)(h)]*
2. The QUARTERLY sampling and analysis of all new ground water monitoring wells shall begin upon proper completion of the GWMP well system. The wells shall be sampled for the parameters identified in Permit Condition III.13 and in accordance to the Department's "Standard Operating Procedures For Laboratory Operations and Sample Collection Activities," DEP-SOP-001/01, FS 2200 Ground water Sampling, December 3, 2008. *[62-520.600(1) and (11) (b)]*
3. Prior to construction of new ground water monitoring wells, a soil boring shall be made at each new monitoring well location in order to establish the well depth and screen interval. *[62-520.600(6)(g)]*
4. Within 60 days after completion of construction of the ground water monitoring wells, a properly scaled figure depicting monitor well locations (active and abandoned) with identification numbers shall be submitted. The figure shall also include (or attached) the monitoring well, top of casing and ground surface elevations referenced to National Geodetic Vertical Datum (NGVD) to the nearest 0.1 foot, along with monitor well location latitude and longitude to the nearest 0.1 second. *[62-520.600(6)(i)]*
5. Within 30 days after completion of construction of the ground water monitoring wells, well completion reports shall be sent to the Domestic Wastewater Section, FDEP Southwest District Office. The information is to be submitted on the attached form for each well, DEP Form 62-522.900(3), Monitor Well Completion Report. *[62-520.600(6)(j)]*
6. Within 30 days of completion of construction of new ground water monitor wells, the permittee shall submit the following information for each monitor well :

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- a. A copy of the Florida Water Management District (WMD) , State of Florida Permit Application to Construct, Repair, Modify or Abandon a Well, Form 41.10-410(1), and
 - b. A copy of the WMD Well Completion Report, Form 41.10-410(2), 62-610.412(2)(b)
7. After completion of construction of the new wells the permittee shall sample all new ground water monitoring wells for the Primary and Secondary Drinking Water parameters included in Rule 62-550, Florida Administrative Code, Public Drinking Water Systems (excluding asbestos, acrylamide, Dioxin, butachlor, epichlorohydrin, pesticides, and PCBs, unless reasonably expected to be a constituent of the discharge or an artifact of the site). In addition, volatile organics and extractable semivolatile organics shall be analyzed. Results of this sampling shall be submitted to the Department within 60 days after sampling. [62-520.600(5)(a)2.]
8. The permittee shall coordinate any expansion of the Part III reclaimed water reuse system with the Southwest District Domestic Waste Permitting Section and shall propose additional ground water monitoring that may be required due to such expansion. [62-520.600(6)(d) and 62-610.320(3)]

Operational Requirements

9. For the Part III and Part IV reuse systems, all ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge. The zone of discharge shall extend horizontally 100 feet from the application site or to user’s site property line, whichever is less, and vertically to the base of the surficial aquifer. [62-520.200(27)] [62-520.465]
10. The ground water minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge. [62-520.400 and 62-520.420(4)]
11. During the period of operation authorized by this permit, the permittee shall sample ground water in accordance with this permit and the approved ground water monitoring plan prepared in accordance with Rule 62-522.600, F.A.C. [62-520.600][62-610.463(3)] [62-610.510(3)(b)]
12. The following monitoring wells shall be sampled in accordance with the monitoring frequencies specified in Permit Condition III.13. for Reuse Systems R-001 and R-003. Quarterly sampling must be reasonably spaced to be representative of potentially changing conditions.

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Aquifer Monitored	New or Existing
MWB-06	SW-1, WRF onsite ponds	Surficial	New
MWI-01	SW-2, WRF onsite ponds	Surficial	New
MWC-10	SW-3, WRF onsite ponds (NW corner of the Central pond)	Surficial	New
MWC-11	SW-4, WRF onsite ponds (SW corner of the South pond)	Surficial	New
MWB-01	BCC-1, Bradenton Country Club	Surficial	Existing
MWC-01	BCC-4, Bradenton Country Club	Surficial	Existing
MWB-02	ELC-1A, El Conquistador Golf Club	Surficial	Existing
MWC-02	ELC-2, El Conquistador Golf Club	Surficial	Existing
MWC-03	ELC-4, El Conquistador Golf Club	Surficial	Existing
MWB-05	PR-1, 59 th Street Park/Bray Park	Surficial	Existing
MWC-08	PR-3A, 59 th Street Park/Bray Park	Surficial	Existing
MWC-09	PR-4A, 59 th Street Park/Bray Park	Surficial	Existing

MWB = Background; MWI = Intermediate; MWC = Compliance

[62-520.600][62-610.463(3)] [62-610.510(3)(b)]

13. The following parameters shall be analyzed for each of the monitoring well(s) identified in Permit Condition(s) III. 12:

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	FEET	In-situ	Quarterly
Nitrogen, Nitrate, Total (as N)	10	MG/L	Grab	Quarterly
Solids, Total Dissolved (TDS)	500	MG/L	Grab	Quarterly
Arsenic, Total Recoverable	10	UG/L	Grab	Quarterly
Chloride (as Cl)	250	MG/L	Grab	Quarterly
Cadmium, Total Recoverable	5	UG/L	Grab	Quarterly
Chromium, Total Recoverable	100	UG/L	Grab	Quarterly
Lead, Total Recoverable	15	UG/L	Grab	Quarterly
Coliform, Fecal	4	#/100ML	Grab	Quarterly
pH*	6.5 to 8.5	SU	In-Situ	Quarterly
Sulfate, Total	250	MG/L	Grab	Quarterly
Turbidity*	Report	NTU	In-Situ	Quarterly
Sodium, Total Recoverable	160	MG/L	Grab	Quarterly
Specific Conductance*	Report	UMHO/CM	In-Situ	Quarterly
Temperature (C), Water*	Report	DEG.C	In-Situ	Quarterly
Oxygen, Dissolved (DO)*	Report	MG/L	In-Situ	Quarterly

* The field parameters shall be sampled per DEP-SOP-001/01, FS 2200 Ground Water Sampling and recorded, (see Figure FS 2200-2 Ground Water Purging Procedure and Form FD 9000-24, Ground Water Sampling Log). The field parameters to be reported on Part D of GW DMR shall be the last sample recorded.

[62-520.600(11)(b)] [62-601.300(3), 62-601.700, and Figure 3 of 62-601][62-601.300(6)] [62-520.300(9)]

14. If the concentration for any constituent listed in Permit Condition III. 13. in the natural background quality of the ground water is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative natural background quality shall be the prevailing standard. *[62-520.420(2)]*
15. In accordance with Part D of Form 62-620.910(10), water levels shall be recorded before evacuating wells for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NGVD allowable) at a precision of plus or minus 0.1 foot. *[62-520.600(11)(c)]*
16. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. *[62-601.700(5)]*
17. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Southwest District Office as being more representative of ground water conditions. *[62-520.310(5)]*
18. Ground water monitoring parameters shall be analyzed in accordance with Chapter 62-601, F.A.C. *[62-610.320(3) and 62-620.610(18)]*
19. For permit renewal, the permittee shall submit, to the Southwest District Office, the results of sampling monitoring wells specified in the Department-approved monitoring plan for the primary and secondary drinking water parameters included in Chapter 62-550, F.A.C., (excluding asbestos, acrylamide, Dioxin, butachlor, epichlorohydrin, pesticides, and PCBs, unless reasonably expected to be a constituent of the discharge or an artifact of the site). Additional volatile and semivolatile parameters as specified in the ground water monitoring plan or permit shall be analyzed. Sampling shall occur no sooner than 180 days before submittal of the renewal application. The Department-approved ground water monitoring plan shall be revised as necessary to specify the monitoring wells selected to be sampled at the time of permit renewal). *[62-520.600(5)(b)]*
20. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10). For reuse or land application projects, results shall be submitted with the DMR for each month listed in the following schedule. The submitted results shall be for each year during the period of operation allowed by this permit in accordance with Permit Condition I.C.8. *[62-520.600(11)(b)] [62-601.300(3), 62.601.700, and Figure 3 of 62-601] [62-620.610(18)]*

SAMPLE PERIOD	REPORT DUE DATE
January - March	April 28
April - June	July 28
July - September	October 28
October - December	January 28

21. If any monitoring well becomes inoperable or damaged to the extent that sampling or well integrity may be affected, the permittee shall notify the Department's Southwest District Office within two business days from discovery, and a detailed written report shall follow within ten days after notification to the Department. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent recurrence or request approval for replacement of the monitoring well. All monitoring well design and replacement shall be approved by the Department before installation. *[62-520.600(6)(l)]*
22. All piezometers and wells that are not reasonably expected to be used are to be plugged and abandoned in accordance with subsection 62-532.500(4), F.A.C. The permittee shall submit a written report to the Department's office that issued the permit providing verification of the plugging including the well abandonment log when available; *[62-520.600(6)(k)]*

IV. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

Part III Public Access System (R-001)

1. The Manatee County Southwest WRF serves as a source plant for reclaimed water which is transferred to the Manatee County Master Reuse System (FLA474029) at a transfer point located immediately downstream of the master use system flow meters at the source plant. The Manatee County Master Reuse System is a Part III slow rate public access land application system serving Manatee County, Florida under Department permit number FLA474029.
2. Cross-connections to the potable water system are prohibited. *[62-610.469(7)]*
3. A cross-connection control program shall be implemented and/or remain in effect within the areas where reclaimed water will be provided for use. *[62-610.469(7)]*
4. The permittee shall conduct inspections within the reclaimed water service area to verify proper connections, to minimize illegal cross-connections, and to verify the proper use of reclaimed water. Inspections are required when a customer first connects to the reuse distribution system. Subsequent inspections are required as specified in the cross-connection control and inspection program. *[62-610.469(7)(h)]*
5. If a cross-connection between the potable and reclaimed water systems is discovered, the permittee shall:
 - a. Immediately discontinue potable water and/or reclaimed water service to the affected area.
 - b. If the potable water system is contaminated, clear the potable water lines.
 - c. Eliminate the cross-connection.
 - d. Test the affected area for other possible cross-connections.
 - e. Within 24 hours, notify the Southwest District Office's domestic wastewater and drinking water programs, and the Pinellas County Health Department's drinking water program.
 - f. Within 5 days of discovery of a cross-connection, submit a written report to the Department detailing: a description of the cross-connection, how the cross-connection was discovered, the exact date and time of discovery, approximate time that the cross-connection existed, the location, the cause, steps taken to eliminate the cross-connection, whether reclaimed water was consumed, and reports of possible illness, whether the drinking water system was contaminated and the steps taken to clear the drinking water system, when the cross-connection was eliminated, plan of action for testing for other possible cross-connections in the area, and an evaluation of the cross-

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connection control and inspection program to ensure that future cross-connections do not occur. [62-555.350(3) and 62-555.360][62-620.610(20)]

6. Maximum obtainable separation of reclaimed water lines and potable water lines shall be provided and the minimum separation distances specified in Rule 62-610.469(7), F.A.C., shall be provided. Reuse facilities shall be color coded or marked. Underground piping which is not manufactured of metal or concrete shall be color coded using Pantone Purple 522C using light stable colorants. Underground metal and concrete pipe shall be color coded or marked using purple as the predominant color. [62-610.469(7)]
7. In constructing reclaimed water distribution piping, the permittee shall maintain a 75-foot setback distance from a reclaimed water transmission facility to public water supply wells. No setback distances are required to other potable water supply wells or to any nonpotable water supply wells. [62-610.471(3)]
8. A setback distance of 75 feet shall be maintained between the edge of the wetted area and potable water supply wells, unless the utility adopts and enforces an ordinance prohibiting potable water supply wells within the reuse service area. No setback distances are required to any nonpotable water supply well, to any surface water, to any developed areas, or to any private swimming pools, hot tubs, spas, saunas, picnic tables, barbecue pits, or barbecue grills. [62-610.471(1), (2), (5), and (7)].
9. Reclaimed water shall not be used to fill swimming pools, hot tubs, or wading pools. [62-610.469(4)]
10. Low trajectory nozzles, or other means to minimize aerosol formation shall be used within 100 feet from outdoor public eating, drinking, or bathing facilities. [62-610.471(6)]
11. A setback distance of 100 feet shall be maintained from indoor aesthetic features using reclaimed water to adjacent indoor public eating and drinking facilities. [62-610.471(8)]
12. The public shall be notified of the use of reclaimed water. This shall be accomplished by posting of advisory signs in areas where reuse is practiced, notes on scorecards, or other methods. [62-610.468(2)]
13. All new advisory signs and labels on vaults, service boxes, or compartments that house hose bibbs along with all labels on hose bibbs, valves, and outlets shall bear the words "do not drink" and "no beber" along with the equivalent standard international symbol. In addition to the words "do not drink" and "no beber," advisory signs posted at storage ponds and decorative water features shall also bear the words "do not swim" and "no nadar" along with the equivalent standard international symbols. Existing advisory signs and labels shall be retrofitted, modified, or replaced in order to comply with the revised wording requirements. For existing advisory signs and labels this retrofit, modification, or replacement shall occur within 365 days after the date of this permit. For labels on existing vaults, service boxes, or compartments housing hose bibbs this retrofit, modification, or replacement shall occur within 730 days after the date of this permit. [62-610.468 & 62-610.469]
14. The permittee shall ensure that users of reclaimed water are informed about the origin, nature, and characteristics of reclaimed water; the manner in which reclaimed water can be safely used; and limitations on the use of reclaimed water. Notification is required at the time of initial connection to the reclaimed water distribution system and annually after the reuse system is placed into operation. A description of on-going public notification activities shall be included in the Annual Reuse Report. [62-610.468(6)]Part IV Rapid-Rate Land Application System (R-003)
15. Advisory signs shall be posted around the site boundaries to designate the nature of the project area. [62-610.518]
16. Rapid infiltration basins shall be routinely maintained to control vegetation growth. [62-610.523(6)]
17. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required. [62-610.514 and 62-610.414]

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18. Overflows from emergency discharge facilities on storage ponds or on infiltration ponds, basins, or trenches shall be reported as an abnormal event to the Department's Southwest District Office within 24 hours of an occurrence. The provisions of Rule 62-610.800(9), F.A.C., shall be met. *[62-610.800(9)]*

V. OPERATION AND MAINTENANCE REQUIREMENTS

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of a(n) operator(s) certified in accordance with Chapter 62-602, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a Category II, Class A facility and, at a minimum, operators with appropriate certification must be on the site as follows:

A Class C or higher operator 24 hours/day for 7 days/week. The lead operator must be a Class A.

[62-620.630(3)] [62-699.310] [62-610.462]

2. The lead operator shall be employed at the plant full time. "Full time" shall mean at least 4 days per week, working a minimum of 35 hours per week, including leave time. A certified operator shall be on-site and in charge of each required shift and for periods of required staffing time when the lead operator is not on-site. An operator meeting the lead operator classification level of the plant shall be available during all periods of plant operation. "Available" means able to be contacted as needed to initiate the appropriate action in a timely manner. *[62-699.311(10), (5) and (1)]*
3. An updated capacity analysis report shall be submitted to the Department annually by January 31 of each year. The updated capacity analysis report shall be prepared in accordance with Rule 62-600.405, F.A.C. *[62-600.405(5)]*
4. The application to renew this permit shall include a detailed operation and maintenance performance report prepared in accordance with Rule 62-600.735, F.A.C. *[62-600.735(1)]*
5. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility:
 - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation and a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
 - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
 - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
 - d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
 - e. A copy of the current permit;
 - f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
 - g. A copy of the facility record drawings;
 - h. Copies of the licenses of the current certified operators; and
 - i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and certification number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities; tests performed and samples taken; and major repairs made. The

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logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed.

[62-620.350]

VI. SCHEDULES

1. The following construction schedule for the facilities shall be followed, unless a minor permit revision is issued to amend the schedule:

Implementation Step		Completion Date
1.	Construction of the R-003 ground water monitor wells, as identified in Permit Condition III.12.	Within 3 months of issuance date.
2.	Completion and submittal of the items in Permit Conditions III.1 through 7.	As required by Conditions III.1 through 7.
3.	Notification of pond piping modification completion, submittal of a final pond piping flow schematic, and submittal of a water quality report that demonstrates that North Pond water meets the public access reuse water quality limits identified in Permit Condition I.B.1.	Prior to receiving Department approval to place the North Pond into service as a public access reuse system storage pond.
4.	Submittal of a permit revision application to identify a permitted capacity for reuse system R-003. The request should include twelve months of flow data into and out of R-003. The application may request an increase in facility's permitted capacity, if appropriate.	Within 15 months of Completion of Scheduled Item 3.
5.	Provide appropriate documentation as required in permit conditions VIII. 1 & 2 for the proposed fifth secondary clarifier and associated piping and appurtenances.	As required by permit conditions VIII. 1 & 2.
6.	Submittal of an annual updated Capacity Analysis Report.	January 31 of each year.

[62-620.400]

VII. INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

1. The permittee shall function as the Control Authority and shall be responsible for the performance of all pretreatment program requirements contained in Chapter 62-625, F.A.C. The permittee shall be subject to enforcement actions, penalties, and other remedies by the Department or other appropriate parties. The permittee shall implement and enforce its Approved Pretreatment Program. The permittee's Approved Pretreatment Program is hereby made an enforceable condition of this permit. The Department may initiate enforcement action against an industrial user for noncompliance with applicable standards and requirements. [62-625.500]
2. The permittee shall enforce the requirements promulgated under Sections 307(b), 307(c), 307(d), and 402(b) of the Act. The permittee shall cause industrial users subject to Federal Categorical Standards to achieve compliance no later than the date specified in those requirements or, in the case of new industrial users, upon commencement of the discharge. [62-625.410]
3. The permittee shall perform the pretreatment functions as required in Chapter 62-625, F.A.C., including, but not limited to, the following:
 - a. Implementing the necessary legal authorities as provided in Rule 62-625.500(2)(a), F.A.C. This includes, among other things, the authority to require compliance with applicable pretreatment standards, which includes general prohibitions listed in Rule 62-625.400(1), F.A.C., specific prohibitions in Rule 62-625.400(2), F.A.C., locally developed limits as required by Rules 62-625.400(3) and (4), F.A.C., and national categorical limits in accordance with Rule 62-625.410, F.A.C.;

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- b. Implementing the programmatic functions as required under Rule 62-625.500(2)(b), F.A.C.;
- c. Providing the required funding, equipment, and personnel to implement the pretreatment program as provided in Rules 62-625.500(2), (3), and (4), F.A.C.; and
- d. Providing a written technical evaluation that local limits have been developed in accordance with Rule 62-625.400(3)(a), F.A.C. The evaluation shall verify whether existing local limits protect the wastewater facilities, and if not, the permittee shall develop new local limits as part of the evaluation. This evaluation shall be submitted to the Department at the address in the condition below within 180 days after permit renewal.

[62-625.400 and .500]

- 4. As required by Rules 62-625.600(8) and (12), F.A.C., the permittee shall submit a signed copy of the annual report for pretreatment activities, including DMRs for Monitoring Group Numbers PRT-I, PRT-E, and PRT-R, to the Department at the following address:

Florida Department of Environmental Protection
Domestic Wastewater Section, Mail Station 3540
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

The annual report shall contain the information required in accordance with Rule 62-625.600(8), F.A.C., except section (8)(e) as noted below, and shall describe the permittee's pretreatment activities for the reporting year. In the event that the permittee is not in compliance with any conditions or requirements of the pretreatment program, then the permittee shall also include the reasons for noncompliance and state how and when the permittee shall comply with such conditions and requirements.

In order to comply with Rule 62-625.600(8)(e), F.A.C., the permittee shall submit annual DMRs with the analytical results of influent, effluent, and residuals for those pollutants listed on the DMRs. For any other nonpriority pollutants which the permittee believes may be causing or contributing to interference, pass through, or adversely impacting residuals quality, the annual report shall provide a summary of all analytical results of influent, effluent, and residuals. The annual report and DMRs are due on August 1 of each year.

[62-625.600(12)]

- 5. Samples for Monitoring Group Numbers PRT-I, PRT-E, and PRT-R shall be taken at the monitoring site locations described below:

Monitoring Location Site Number	Description of Monitoring Location
PRT-I	Influent pre-treatment sampling location (at INF-01, the influent sampling point at the headworks ahead of plant process waters).
PRT-E	Effluent pre-treatment sampling location (at EFA-01, the filtered effluent sampling point after disinfection).
PRT-R	Residuals pre-treatment sampling location (at RMP-B, after the belt presses).

VIII. OTHER SPECIFIC CONDITIONS

- 1. Prior to placing the new facilities into operation or any individual unit processes into operation, for any purpose other than testing for leaks and equipment operation, the permittee shall complete and submit to the Department DEP Form 62-620.910(12), Notification of Completion of Construction for Domestic Wastewater Facilities. *[62-620.630(2)]*
- 2. Within six months after a facility is placed in operation, the permittee shall provide written certification to the Department on Form 62-620.910(13) that record drawings pursuant to Chapter 62-600, F.A.C., and that an operation and

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maintenance manual pursuant to Chapters 62-600 and 62-610, F.A.C., as applicable, are available at the location specified on the form. *[62-620.630(7)]*

3. The permittee shall apply for renewal of this permit at least 180 days before the expiration date of the permit using the appropriate forms listed in Rule 62-620.910, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C. The existing permit shall not expire until the Department has taken final action on the application renewal in accordance with the provisions of 62-620.335(3) and (4), F.A.C. *[62-620.335(1)-(4)]*
4. Florida water quality criteria and standards shall not be violated as a result of any discharge or land application of reclaimed water or residuals from this facility. *[62-610.850(1)(a) and (2)(a)][62-640.700(2)(b)]*
5. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in Rule 62-296.320(2), F.A.C. *[62-600.410(8) and 62-640.400(6)]*
6. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. *[62-604.130(3)]*
7. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. *[62-604.550] [62-620.610(20)]*
8. The operating authority of a collection/transmission system and the permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
 - a. Which may cause fire or explosion hazards; or
 - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
 - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
 - d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding 40°C or otherwise inhibiting treatment; or
 - e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health or safety problems.*[62-604.130(5)]*
9. The treatment facility, storage ponds, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. *[62-610.518(1)] [62-610.418(1)] [and 62-600.400(2)(b)]*
10. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. *[62-701.300(1)(a)]*
11. The Permittee shall provide verbal notice to the Department as soon as practical after discovery of a sinkhole within an area for the management or application of wastewater, wastewater residuals (sludges), or reclaimed water. The

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Permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department in a written report within 7 days of the sinkhole discovery. *[62-4.070(3)]*

12. The permittee shall provide adequate notice to the Department of the following:
- a. Any new introduction of pollutants into the facility from an industrial discharger which would be subject to Chapter 403, F.S., and the requirements of Chapter 62-620, F.A.C. if it were directly discharging those pollutants; and
 - b. Any substantial change in the volume or character of pollutants being introduced into that facility by a source which was identified in the permit application and known to be discharging at the time the permit was issued.

Adequate notice shall include information on the quality and quantity of effluent introduced into the facility and any anticipated impact of the change on the quantity or quality of effluent or reclaimed water to be discharged from the facility.

[62-620.625(2)]

IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. *[62-620.610(1)]*
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. *[62-620.610(2)]*
3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. *[62-620.610(3)]*
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. *[62-620.610(4)]*
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. *[62-620.610(5)]*
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. *[62-620.610(6)]*
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. *[62-620.610(7)]*

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8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. *[62-620.610(8)]*
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
 - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - b. Have access to and copy any records that shall be kept under the conditions of this permit;
 - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
 - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.

[62-620.610(9)]
10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, Florida Statutes, or Rule 62-620.302, Florida Administrative Code. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10)]*
11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. *[62-620.610(11)]*
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. *[62-620.610(12)]*
13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. *[62-620.610(13)]*
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. *[62-620.610(14)]*
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. *[62-620.610(15)]*
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300 and the Department of Environmental Protection Guide to Wastewater Permitting at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2) for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. *[62-620.610(16)]*

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17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:

- a. A description of the anticipated noncompliance;
- b. The period of the anticipated noncompliance, including dates and times; and
- c. Steps being taken to prevent future occurrence of the noncompliance.

[62-620.610(17)]

18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate.

- a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
- b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
- c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
- d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.
- e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
- f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220 and 62-160.330, F.A.C.

[62-620.610(18)]

19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. *[62-620.610(19)]*

20. The permittee shall report to the Department any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

- a. The following shall be included as information which must be reported within 24 hours under this condition:
 1. Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
 2. Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,

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3. Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
 4. Any unauthorized discharge to surface or ground waters.
- b. Oral reports as required by this subsection shall be provided as follows:
1. For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph a.4 that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the Department by calling the **STATE WARNING POINT TOLL FREE NUMBER (800) 320-0519**, as soon as practical, but no later than 24 hours from the time the permittee becomes aware of the discharge. The permittee, to the extent known, shall provide the following information to the State Warning Point:
 - a) Name, address, and telephone number of person reporting;
 - b) Name, address, and telephone number of permittee or responsible person for the discharge;
 - c) Date and time of the discharge and status of discharge (ongoing or ceased);
 - d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
 - e) Estimated amount of the discharge;
 - f) Location or address of the discharge;
 - g) Source and cause of the discharge;
 - h) Whether the discharge was contained on-site, and cleanup actions taken to date;
 - i) Description of area affected by the discharge, including name of water body affected, if any; and
 - j) Other persons or agencies contacted.
 2. Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided to the Department within 24 hours from the time the permittee becomes aware of the circumstances.
- c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department shall waive the written report.

[62-620.610(20)]

21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX. 17., 18. and 19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX. 20 of this permit. *[62-620.610(21)]*
22. Bypass Provisions
 - a. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless the permittee affirmatively demonstrates that:
 1. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
 2. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 3. The permittee submitted notices as required under Permit Condition IX. 22. b. of this permit.

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- b. If the permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX. 20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.
- c. The Department shall approve an anticipated bypass, after considering its adverse effect, if the permittee demonstrates that it will meet the three conditions listed in Permit Condition IX. 22. a. 1. through 3. of this permit.
- d. A permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX. 22. a. through c. of this permit.

[62-620.610(22)]


23. Upset Provisions

- a. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
 - 1. An upset occurred and that the permittee can identify the cause(s) of the upset;
 - 2. The permitted facility was at the time being properly operated;
 - 3. The permittee submitted notice of the upset as required in Permit Condition IX. 20. of this permit; and
 - 4. The permittee complied with any remedial measures required under Permit Condition IX. 5. of this permit.
- b. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
- c. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

[62-620.610(23)]

Executed in Hillsborough County, Florida.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION



Jeffrey S. Greenwell, P.E.
Water Facilities Administrator
Southwest District